



INVEST IN THE FUTURE



French manufacturer  
since 1964



# Chargers, Boosters & Starters

Charge & entretien des batteries

Batterieservicegeräte-Katalog

Caricabatteria, Booster & Avviatore

Catálogo de Cargadores

2  
0  
2  
3



CHARGER

BSU

BOOSTER

STARTER

TESTER

JUMPER CABLE

ACCESSORIES





800 people

125 000 000

55 000 m<sup>2</sup>  
2 factories



visit with  
 Youtube

# INVEST IN THE FUTURE

FR

Créé en 1964, GYS est un groupe industriel français regroupant plus de 800 collaborateurs dans le monde. Fort d'un centre de recherche de premier plan, GYS est un acteur majeur dans la conception et la fabrication d'équipements de soudage, de chargeurs de batteries et de systèmes de réparation carrosserie.

Les nouvelles réalités du marché sont en perpétuel changement et la taille de notre entreprise familiale nous impose une adaptation rapide aux nouveaux contextes et à leurs enjeux.

Nous sommes convaincus que notre avenir est étroitement lié à celui de nos clients. Pour cela, nous mettons tout en œuvre pour comprendre ce que les distributeurs et les utilisateurs attendent de nous, savoir à quels défis ils font face et voir dans quelle mesure nous pouvons leur permettre de les relever afin de devenir et rester leur partenaire privilégié pour le chemin que nous avons à parcourir ensemble.

DE

GYS wurde 1964 gegründet und ist ein französisches Familienunternehmen mit mehr als 900 Mitarbeitern auf der ganzen Welt. Dank eines erstklassigen Forschungszentrums ist GYS ein wichtiger Akteur in der Entwicklung und Herstellung von Schweißgeräten, Batterieladegeräten und Karosseriereparatursystemen.

Neue Marktbedingungen sind in fortwährender Veränderung und die Größe unseres Familienunternehmens veranlasst eine rasche Anpassung an neue Umstände und an ihre Herausforderungen.

Wir sind überzeugt, dass unsere Zukunft eng mit der unserer Kunden verbunden ist. Dafür setzen wir all unser Können ein, um zu verstehen, was die Händler und Anwender von uns erwarten, welchen Herausforderungen sie gegenüberstehen und um zu schauen, in welchem Maße wir sie unterstützen können, damit wir ihr bevorzugter Partner werden und bleiben auf dem Weg, den wir gemeinsam beschreiten.

IT

Nato nel 1964, GYS è un gruppo industriale francese che raggruppa oltre 800 collaboratori nel mondo. Forte di un centro di ricerca di grande importanza, GYS è uno dei maggiori protagonisti nella progettazione e fabbricazione di apparecchiature per la saldatura e il taglio, di cariche batterie booster e avviatori e sistemi di riparazione delle carrozzerie.

Le realtà del mercato sono in continuo cambiamento e richiedono risposte immediate. Le dimensioni della nostra impresa familiare consentono un adattamento rapido ai nuovi contesti e alle loro problematiche.

Siamo convinti che il nostro futuro sia strettamente legato a quello dei nostri clienti. Per questo noi mettiamo il massimo impegno per capire quello che i distributori e i loro clienti/utilizzatori si aspettano da noi, quali sfide devono affrontare e come possiamo aiutarli per farli crescere, per diventare e restare loro partner di riferimento per proseguire insieme sul cammino del successo.

Created in 1964, GYS is a French industrial group with 800+ employees around the world. Built around continuous investment in Research & Development and in the acquisition of knowledge, the company is now a major player in the design and manufacture of welding machines, battery chargers and car body repair equipment.

“ The market realities are constantly changing and the size of our family business requires us to quickly adapt to new contexts and new challenges.

We are convinced that our future is closely linked to the future of our partners. This is why we do everything in our power to understand what distributors and users expect from us and what challenges they face every day. To support them in facing these challenges, we wish to become and remain their privileged partner on the path we will travel together. “

Bruno Bouygues,  
C.E.O.



Nicolas & Bruno Bouygues

## A worldwide coverage

125 countries



GYS FRANCE  
Laval

🕒 1964  
👤 × 550



GYS GERMANY  
Aachen

🕒 2006  
👤 × 80



GYS U.K.  
Rugby

🕒 2008  
👤 × 40



GYS CHINA  
Shanghai

🕒 2004  
👤 × 100



GYS ITALIA  
Venezia

🕒 2015  
👤 × 25



GYS IBERICA  
Madrid

🕒 2022  
👤 × 10

### Partners







## GYS ACADEMY

Training centre dedicated to professionals

Centre de formation agréé

Trainingcenter für Profis

Centro di formazione dedicato ai professionisti

Ref. 52 53 0068153

## 3 catalogues

3 200+ references

Welding & Cutting

Car Body Welding Systems

Chargers, Boosters & Starters

## CHARGERS

6 - 12 - 24 - 36 - 48 V

### Smart HF

**NEW**  
GYSFLASH (Pb)  
p.6

GYSFLASH LITHIUM (LiFePO<sub>2</sub>)  
p.9

GYSFLASH PL (Pb/LiFePO<sub>2</sub>/Li-ion)  
p.10

Connectors p.14  
Selection p.15

**ON BOARD**  
**NEW**  
GYSFLASH / GYSPOWER / ENERGYS  
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### BSU

**NEW**  
GYSFLASH PRO  
p.18

CNT Modules  
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Accessories p.30

### Chargers

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ENERGY & TCB  
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CT, CA & WATTMATIC  
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BATIUM  
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## STARTERS & CHARGERS

12 - 24 V

START & NEOSTART  
p.38

STARTIUM  
p.40

DIAGSTARTIUM  
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**NEW**  
STARTFLASH  
p.42

## BOOSTERS

6 - 12 - 24 V

### Traditional (Pb/Lead)

GYSPACK  
p.44

GYSPACK PRO  
p.47

STARTPACK TRUCK  
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STARTPACK  
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ENERGYSTATION  
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Selection  
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12 - 24 V

### Lithium inside

NOMAD POWER & POWER PRO  
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12 - 24 V

### Super capacitors inside

STARTRONIC  
p.56

GYSCAP  
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## TESTERS

12 - 24 V

**NEW**  
TBP, BT, PBT  
p.58

### ACCESSORIES

Power inverter  
p.62

Power Pack  
p.65

**NEW**  
Jumper cables  
p.66

Clamps & consumables  
p.68

Accessories  
p.69

Working lights  
p.70

### + MORE

NATO/OTAN selection  
p.53

Traction selection  
p.53

Charging curves  
p.71

Marketing  
p.71

Advanced  
**R&D**

90



Metal work  
Tôlerie  
Blechbearbeitung



Painting & marking  
Peinture & marquage  
Lackierstraße

Assembly  
Montage/tests  
Montage



Electronics  
Électronique  
Elektronik



Mechanical  
Mécanique  
CNC-Bearbeitung



Transformers  
Transformateurs  
Transformatoren



Cable work  
Filerie  
Kabelkonfektionierung

**100%**  
in house  
production

www.gys.fr





## GYSFLASH TECHNOLOGY

### SSM

Mémorisation des réglages. Redémarrage automatique en cas de coupure électrique.  
Save and load settings. Automatic restart in case of power cut.  
Einstellungsspeicherung. Automatisches Starten nach einem Netzausfall.

### START STOP

Start/stop Engine :  
Compatible véhicules Start/Stop.  
Compatible with Start/Stop vehicles.  
Geeignet für START-STOP- Fahrzeuge.

### CAN BUS

Can bus ready : compatible avec la technologie Can Bus, le Gysflash se branche directement sur la prise 12 V de la moto (câble en option).

Can Bus ready: compatible with Can Bus Technology, the Gysflash can be connected to the motorcycle 12V socket (cable is optional).

Can-Bus Ready: Mit der Can-Bus Technologie kompatibel. Das GYSFLASH wird direkt an den 12V-Anschluss des Motorrads angeschlossen (Kabel optional).

### Auto Recovery

Auto Recovery : Récupération des éléments des batteries profondément déchargées (mini 2V) et/ou sulfatées.

Auto Recovery : Recovers deeply discharged (min 2V) and/or sulfated batteries.

Auto Recovery: Wiederherstellung der Zellen bei tiefentladenen bzw. sulfatierten Batterien (min. 2V).

### Cold Charge

Mode "Cold charge": optimisation des performances en cas de temps froid ou de gel.

"Cold charge" mode: performance-enhancing charging mode for cold or freezing weather conditions.

-Cold Charge-Modus: Leistungsoptimierung bei kaltem Wetter oder bei Frost.

### Temp Sensor

Équipé d'un capteur haute sensibilité, le Gysflash ajuste automatiquement les paramètres de charge en fonction de la température ambiante.

Fitted with a highly sensitive sensor, Gysflash automatically adjusts the charge based on ambient temperature.

Ausgestattet mit einem hochempfindlichen Sensor stellt das GYSFLASH automatisch die Ladeparameter der Umgebungstemperatur entsprechend ein.

### Power Supply

Source d'énergie : mode de maintien optimal de l'état de charge. Idéal pour les véhicules en hivernage, de démonstration, ou pour le remplacement de batterie.

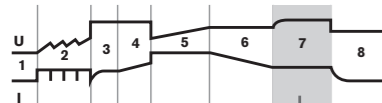
Power supply mode: Optimum floating charge, ideal for use during battery change to protect vehicle memory. Also for when the vehicle is not in use for extended periods or for demonstration use.

Energiequelle: Aufrechterhaltung des Batteriezustands. Ideal für Saison-, Ausstellungsfahrzeuge oder bei Batteriewechsel.

## SMART CHARGE

7 STEP / 8 STEP

1. Status analysis
2. Recovery
3. Test desulfation
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Refresh (for "8 step" only)
8. Floating 100%



### REFRESH 8 STEP

Rééquilibrage des cellules de la batterie pour plus de longévité (suivant modèle).  
Rebalancing of the battery cells for greater longevity (not available on all models).  
Regenerierung der Batteriezellen für eine längere Lebensdauer (je nach Modell).

## GYSFLASH

# CHARGERS Pb

## SMART HF INVERTER



12V

### GYSFLASH 1.12

1 A



#### F FLASH Connector



029361  
UK: 029514

### GYSFLASH 4.12 & 4.12S

0.8/4 A



#### F FLASH Connector



4.12 029422 UK: 029521  
4.12S (110 V) 069190 072701 072817

### GYSFLASH 6.12

0.8/6 A



#### F FLASH Connector



029378  
UK: 029613

### GYSFLASH 8.12

8 A



#### S SAE Connector



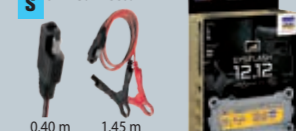
029385  
UK: 029545

### GYSFLASH 12.12

12 A



#### S SAE Connector



029392  
UK: 029552

110V



GYSFLASH 4.12 S  
GYSFLASH 1.12 PL S



DISPLAY BOX

GYSFLASH 4.12 x 5

026001



DESIGN GYS FRANCE  
MADE IN GYS CHINA

	PATENTS REGISTERED NUMBERS 002280008 & 002279927 EUROPEAN TRADEMARK & DESIGN	50/60 Hz	Power	I <sub>charge</sub>	V	Charge	Maintenance	Zz	Ondulation/ Ripple	Charging curve	IP	Weight	Dimensions
GYSFLASH 1.12			18 W	1 A	12V	2 > 32 Ah	2 > 100 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	7 steps	0.44 kg	130 × 80 × 38 mm
GYSFLASH 4.12 GYSFLASH 4.12S			70 W	0,8/4 A	12V	1.2 > 90 Ah	1.2 > 130 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	7 steps	0.69 kg	170 × 90 × 51 mm
GYSFLASH 6.12			90 W	0,8/6 A	12V	1.2 > 125 Ah	1.2 > 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 steps	0.77 kg	190 × 100 × 52 mm
GYSFLASH 8.12			130 W	8 A	12V	15 > 160 Ah	15 > 240 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 steps	0.85 kg	190 × 100 × 52 mm
GYSFLASH 12.12			195 W	12 A	12V	20 > 250 Ah	20 > 330 Ah	<0.4 Ah/month	<100 mV Rms	IUoU	8 steps	1.1 kg	221 × 111 × 58 mm

YouTube



PLAYLIST  
GYSFLASH

IP 65

### WATER PROTECTION

GYSFLASH  
1.12, 4.12, 6.12, 8.12, 12.12,  
6 HERITAGE, 6.24, 9.24, 1.12 PL,  
8.12 PL, 6.24 PL, 3.48 PL,  
1.12 Lithium, 6.12 Lithium



GYSFLASH

SMART HF INVERTER CHARGERS





# CHARGERS Pb

SMART HF INVERTER

YouTube



PLAYLIST GYSFLASH



## GYSFLASH TECHNOLOGY

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### t°

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Ausgestattet mit einem hochempfindlichen Sensor stellt das GYSFLASH automatisch die Ladeparameter der Umgebungstemperatur entsprechend ein.



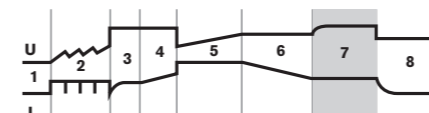
# LiFePO4



## SMART CHARGE 7 STEP / 8 STEP / 8 STEP LiFePO4

### Pb

- Status analysis
- Recovery
- Test desulfation
- Desulfation
- Fast charge 80%
- Absorption
- Refresh (for "8 step" only)
- Floating 100%

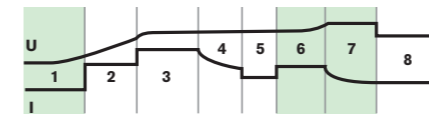


### REFRESH 8 STEP

Rééquilibrage des cellules de la batterie pour plus de longévité (suivant modèle).  
Rebalancing of the battery cells for greater longevity (not available on all models).  
Regenerierung der Batteriezellen für eine längere Lebensdauer (je nach Modell).

### LiFePO4 (LFP)

- UVP Wake up - Status analysis
- Recovery
- Fast charge 90%
- Absorption 95%
- Test
- Completion
- Equalization
- Floating 100%



UVP Wake up (Under Voltage Protection)  
Réactivation de la batterie en protection UVP.  
Battery reactivation when in UVP protection.  
Reaktivierung der Batterie mit UVP-Schutz.

Equalizing Balancing System  
Équilibrage des cellules.  
Balancing of the battery cells.  
Ausgleich der Batteriezellen.

## HERITAGE • 6/12V

GYSFLASH 6 HERITAGE

0.8/6A



F FLASH Connector



## 6/12/24V

GYSFLASH 6.24

0.8/6A



F FLASH Connector



GYSFLASH 9.24

9A



S SAE Connector



## 12V

GYSFLASH 1.12 Lithium

1A



F FLASH Connector

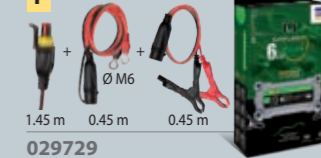


GYSFLASH 6.12 Lithium

4/6A



F FLASH Connector



PATENTS REGISTERED NUMBERS  
002280008 & 002279927  
EUROPEAN TRADEMARK & DESIGN

	50/60 Hz	Power	I <sub>charge</sub>	V	Charge	Maintenance	Zz	Ondulation/Ripple	Charging curve	IP	Weight	Dimensions		
<b>GYSFLASH 6 HERITAGE</b>	220-240 V AC	2m	90 W	0.8/6 A	6/12 V	1.2, 125 Ah	1.2, 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 steps	IP 65	0.77 kg	190 × 100 × 52 mm
<b>GYSFLASH 6.24</b>	220-240 V AC	2m	130 W	0.8/6 A	6/12 V	1.2, 125 Ah	1.2, 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	7 step	IP 65	0.85 kg	190 × 100 × 52 mm
				0.8/4 A	24 V	1.2, 100 Ah	1.2, 140 Ah							
<b>GYSFLASH 9.24</b>	220-240 V AC	2m	190 W	9 A	6/12 V	18, 220 Ah	18, 300 Ah	<0.4 Ah/month	<100 mV Rms	IUoU	8 step	IP 65	1.1 kg	221 × 111 × 58 mm
				6 A	24 V	15, 125 Ah	15, 170 Ah							

DESIGN  
GYS FRANCE  
MADE IN  
GYS CHINA

	50/60 Hz	Power	I <sub>charge</sub>	V	Charge	Maintenance	Zz	Ondulation/Ripple	Charging curve	IP	Weight	Dimensions		
<b>GYSFLASH 1.12 Lithium</b>	220-240 V AC	1m	18 W	1 A	12 V	0.5, 20 Ah	0.5, 50 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 step	IP 65	0.44 kg	130 × 80 × 38 mm
<b>GYSFLASH 6.12 Lithium</b>	220-240 V AC	2m	90 W	4/6 A	12 V	1.2, 125 Ah	1.2, 170 Ah	<0.4 Ah/month	<150 mV Rms	IUoU	8 step	IP 65	0.77 kg	190 × 100 × 52 mm



# CHARGERS Pb/LiFePO4

SMART HF INVERTER

**OPTION**  
Gysflash 18.12 PL, 30.12 PL, 20.12/24 PL, 10.36/48 PL

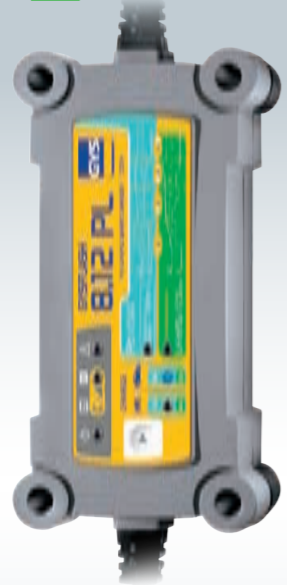
**Magnetfix 20**  
026063



x4



**NEW**  
03 2023



**SC SMART COOLING TECHNOLOGY**

**100% DUST PROOF**

**SILENT**

**IP 23**  
INDOOR / OUTDOOR

**IP 65**  
INDOOR / OUTDOOR

**SHOCK RESISTANT**

## 12V

### GYSFLASH 1.12 PL & 1.12 PL S

**1A**

GO > 7V SSM START STOP CAN BUS

7 STEP Pb 8 STEP LiFePO4



**1.12 PL**  
026902  
027541

**1.12 PL S (110 V)**  
070851  
072794  
072824

### GYSFLASH 8.12 PL

**1/4 / 8A**

GO > 2V SSM START STOP CAN BUS

7 STEP Pb 8 STEP LiFePO4



069282

### GYSFLASH 18.12 PL

**7/12 / 18A** GO > 2V

GO > 2V SSM START STOP

8 STEP LiFePO4 7 STEP Pb



026926

### GYSFLASH 30.12 PL

**7/15 / 30A**

GO > 2V SSM START STOP

7 STEP Pb 8 STEP LiFePO4



029668  
026070

### GYSFLASH 32.12 PL

**7/15 / 30A**

GO > 2V SSM START STOP

7 STEP Pb 8 STEP LiFePO4

SC



026049  
027558

## 12/24V

### GYSFLASH 20.12/24 PL

**7/15 / 20A**

GO > 2V SSM START STOP

7 STEP Pb 8 STEP LiFePO4



026049  
027558

### GYSFLASH 15.24 XTREM

**15A**

GO > 2V SSM START STOP

7 STEP Pb 8 STEP LiFePO4

SC



**ROBUST & SAFE**  
2 pts connection

DESIGN	Power	I <sub>charge</sub>	V	Charge	Maintenance	Z <sub>z</sub>	Ondulation/Ripple	Charging curve	IP	Weight	Dimensions
GYSFLASH 1.12 PL	220-240 V AC	1 A	12 V	2 > 32 Ah (Pb) 0.5 > 20 Ah (LiFePO4)	2 > 100 Ah (Pb) 0.5 > 50 Ah (LiFePO4)	<0.4 Ah/month	<150 mV Rms	IuOu	IP 65	0,69 kg	170 x 90 x 51 mm
GYSFLASH 1.12 PL S	100-127 V AC	1 A	12 V	2 > 32 Ah (Pb) 0.5 > 20 Ah (LiFePO4)	2 > 100 Ah (Pb) 0.5 > 50 Ah (LiFePO4)	<0.4 Ah/month	<150 mV Rms	IuOu	IP 65	0,85 kg	190 x 100 x 52 mm
GYSFLASH 8.12 PL	220-240 V AC	1/4 / 8 A	12 V	15 > 160 Ah (Pb) 1.2 > 160 Ah (LiFePO4)	15 > 240 Ah (Pb) 1.2 > 240 Ah (LiFePO4)	<0.4 Ah/month	<150 mV Rms	IuOu	IP 65	0,85 kg	190 x 100 x 52 mm
GYSFLASH 18.12 PL	220-240 V AC	7/12 / 18 A	12 V	15 > 270 Ah (Pb) 7 > 270 Ah (LiFePO4)	15 > 270 Ah (Pb) 7 > 270 Ah (LiFePO4)	<0.5 Ah/month	<100 mV Rms	IuOu	IP 43	1,55 kg	190 x 190 x 73 mm

DESIGN	Power	I <sub>charge</sub>	V	Charge	Maintenance	Z <sub>z</sub>	Ondulation/Ripple	Charging curve	IP	Weight	Dimensions
GYSFLASH 30.12 PL	220-240 V AC	7/15 / 30 A	12 V	15 > 375 Ah (Pb) 7 > 375 Ah (LiFePO4)	15 > 375 Ah (Pb) 7 > 375 Ah (LiFePO4)	<0.5 Ah/month	<150 mV Rms	IuOu	IP 43	1,85 kg	190 x 190 x 73 mm
GYSFLASH 32.12 PL	230V	7/15 / 30 A	12 V	10 > 400 Ah	10 > 400 Ah	<0.5 Ah/month	<150 mV Rms	IuOu	IP 23	4,7 kg	80 x 250 x 200 mm
GYSFLASH 20.12/24 PL	220-240 V AC	7/15 / 20 A	12 V	15 > 300 Ah (Pb) 7 > 300 Ah (LiFePO4)	15 > 300 Ah (Pb) 7 > 300 Ah (LiFePO4)	<1 Ah/month	<150 mV Rms	IuOu	IP 43	1,85 kg	190 x 190 x 73 mm
GYSFLASH 15.24 XTREM	230V	7/10 / 15 A	12/24 V	5 > 240 Ah	5 > 240 Ah	<1 Ah/month	<150 mV Rms	IuOu	IP 65	5,4 kg	75 x 250 x 210 mm



**GYSFLASH TECHNOLOGY**

**SSM**

Mémorisation des réglages. Redémarrage automatique en cas de coupure électrique.  
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**t°**

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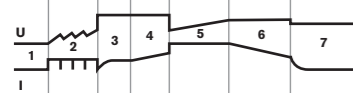
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**SMART CHARGE 7 STEP / 8 STEP LiFePO<sub>4</sub>**

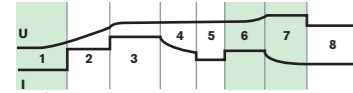
**Pb**

1. Status analysis
2. Recovery
3. Test desulfation
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Floating 100%



**LiFePO<sub>4</sub> (LFP) / Li-ion**

1. UVP Wake up - Status analysis
2. Recovery
3. Fast charge 90%
4. Absorption 95%
5. Test
6. Completion
7. Equalization
8. Floating 100%



**UVP Wake up (Under Voltage Protection)**  
Réactivation de la batterie en protection UVP.  
Battery reactivation when in UVP protection.  
Reaktivierung der Batterie mit UVP-Schutz.

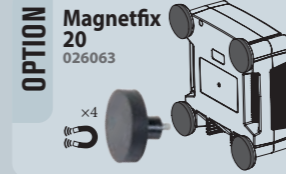
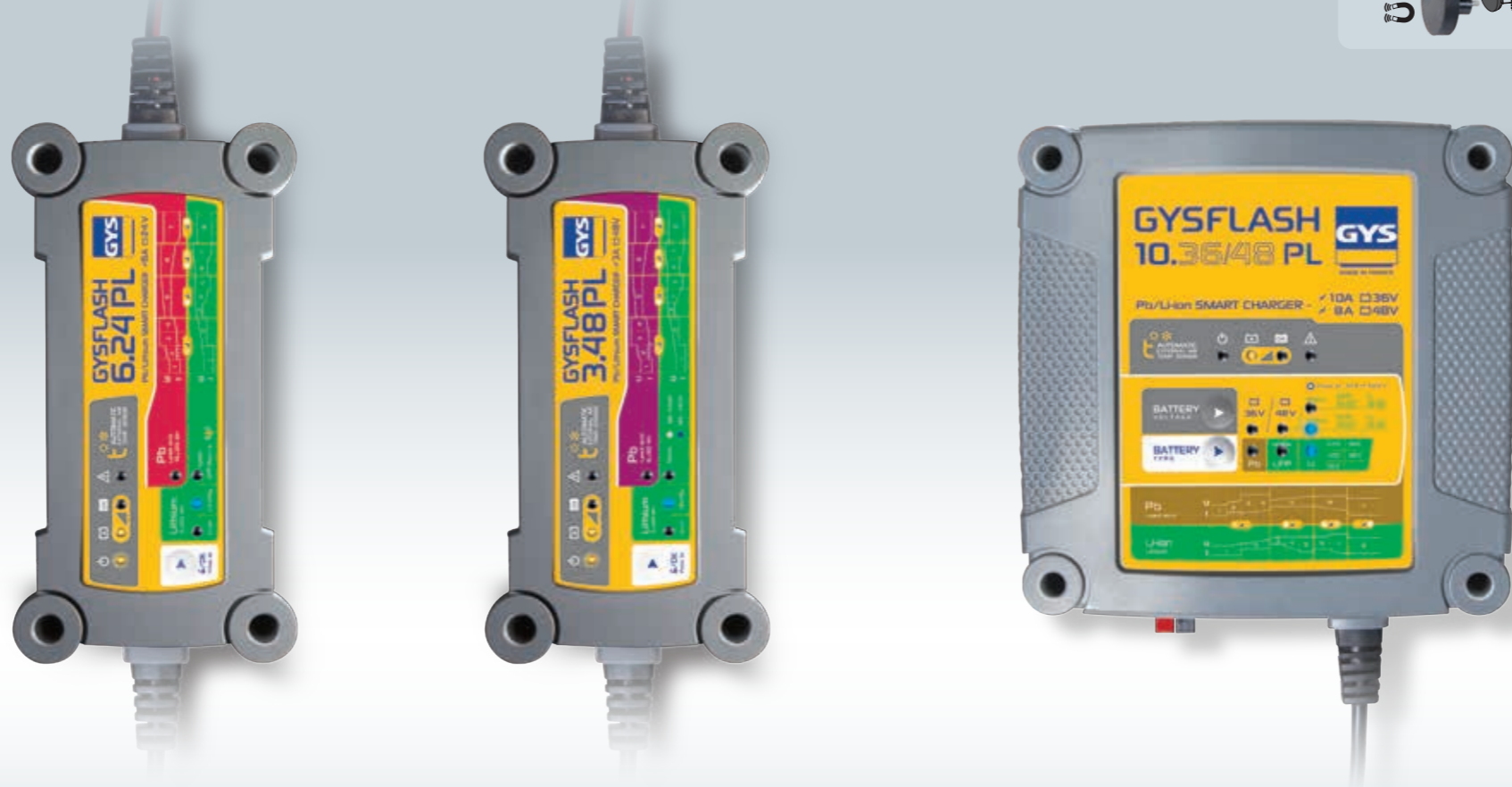
**Equalizing Balancing System**  
Équilibrage des cellules.  
Balancing of the battery cells.  
Ausgleich der Batteriezellen.

**GYSFLASH**

**CHARGERS Pb/Lithium**  
SMART HF INVERTER

LiFePO<sub>4</sub> / Li-ion / Li-Po / NMC / LCO / MCO / NCA...

**ELECTRICAL MOBILITY**



**24 V • ELECTRICAL MOBILITY**

**GYSFLASH 6.24 PL**

**6 A** GO > 2 V

GO > 2 V SSM t°

7 STEP Pb 8 STEP LiFePO<sub>4</sub> 8 STEP Li-ion

**S SAE Connector**

1.45 m Ø6 0.45 m 0.45 m

**027398**



**48V**

**GYSFLASH 3.48 PL**

**3 A** GO > 5 V

GO > 5 V SSM t°

7 STEP Pb 8 STEP LiFePO<sub>4</sub> 8 STEP Li-ion

**S SAE Connector**

1.45 m Ø6 0.45 m

**027893**

**INDUSTRY / ELECTRICAL MOBILITY • 36 / 48 V**

**GYSFLASH 10.36/48 PL**

**10 A** GO > 5 V

GO > 5 V SSM t°

7 STEP Pb 8 STEP LiFePO<sub>4</sub> 8 STEP Li-ion

**A ANDERSON Connector**

1.9 m (4 mm<sup>2</sup>) Ø8

**027060**



DESIGN GYS FRANCE	PATENTS REGISTERED NUMBERS 002280008 & 002279927 EUROPEAN TRADEMARK & DESIGN	50 / 60 Hz	Power	I <sub>charge</sub>	V	n cell			Charge	Maintenance	Zz	Ondulation/Ripple	Charging curve	IP	Weight	Dimensions		
						Pb	LFP	NMC										
MADE IN GYS CHINA		220-240 V AC	2 m	190 W	6 A	24V	12	8	6	15 > 125 Ah (Pb) 2 > 125 Ah (Li)	15 > 170 Ah (Pb) 2 > 170 Ah (Li)	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 65	1,1 kg	221x111x58 mm
										6 > 60 Ah 3 > 60 Ah	6 > 85 Ah 3 > 85 Ah	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 65	1,1 kg	221x111x58 mm
MADE IN FRANCE		220-240 V AC	2 m	500 W	10 A	36V	18	12	9	20 > 230 Ah (Pb) 10 > 230 Ah (Li)	20 > 230 Ah (Pb) 10 > 230 Ah (Li)	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 43	1,85 kg	190x190x73 mm
										15 > 160 Ah (Pb) 8 > 160 Ah (Li)	15 > 160 Ah (Pb) 8 > 160 Ah (Li)	<0.4 Ah /month	<150 mV Rms	IUoU	7 step (Pb) 8 step (Li)	IP 43	1,85 kg	190x190x73 mm

**ELECTRICAL MOBILITY**

**MOBILITY**



**SAE CONNECTOR S3**  
027428

**OUTDOOR**



**ANDERSON CONNECTOR A3**  
027855

**SAE CONNECTOR S4**  
027442

**SAE CONNECTOR S3**  
027428

**INDUSTRY**



**SAE CONNECTOR S5**  
027473

**MEDICAL**



**SAE CONNECTOR S3**  
027428







**SPECIAL PROJECT - CONTACT US**

Contact us for special projects. Quick customization : CAN BUS / CAN Open / J1939 / NMEA 2000 / RS485 / SM BVS / Automation / Relays...

**SC SMART COOLING TECHNOLOGY**

100% DUST PROOF



SILENT

HIGH EFFICIENCY  
Up to 15%  
Energy Saving

93%

EMC class B

**ALU** RUST PROTECTION

ULTRA LIGHTWEIGHT

VIBRATION & SHOCK RESISTANT

-25 / +60°C

**GYSFLASH PL-E TECHNOLOGIES**

**SSM** Mémoire des réglages. Redémarrage automatique en cas de coupure électrique. Save and load settings. Automatic restart in the event of a power cut. Einstellungsspeicherung. Automatisches Starten nach einem Netzausfall.

**Auto Recovery** : Récupération des éléments des batteries profondément déchargées (mini 2V) et/ou sulfatées.

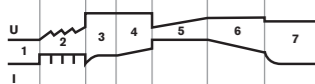
Auto Recovery : Recovers deeply discharged (min 2V) and/or sulfated batteries.

Auto Recovery: Wiederherstellung der Zellen bei tiefentladenen bzw. sulfatierten Batterien (min. 2V).

**SMART CHARGE**

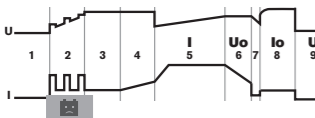
**Pb**

1. Status analysis
2. Recovery
3. Test desulfation
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Floating 100%



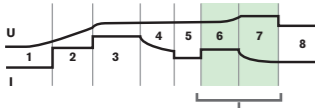
**Pb TRACTION**

1. Status analysis
2. Recovery
3. Sulphation test
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Test Absorption
8. Refresh
9. Floating 100%



**LiFePO4 (LFP) / Li-ion**

1. Status analysis
2. Recovery
3. Fast charge 90%
4. Absorption 95%
5. Test
6. Completion
7. Equalization
8. Floating 100%



**Equalizing Balancing System**  
Équilibrage des cellules.  
Balancing of the battery cells.  
Ausgleich der Batteriezellen.

**OUTDOOR - LEISURE**



**MOBILITY**



**MARINE**



**AGRI**



**MEDICAL**



**PROFESSIONAL**



**INDUSTRY**



**GYSFLASH / GYSPOWER**

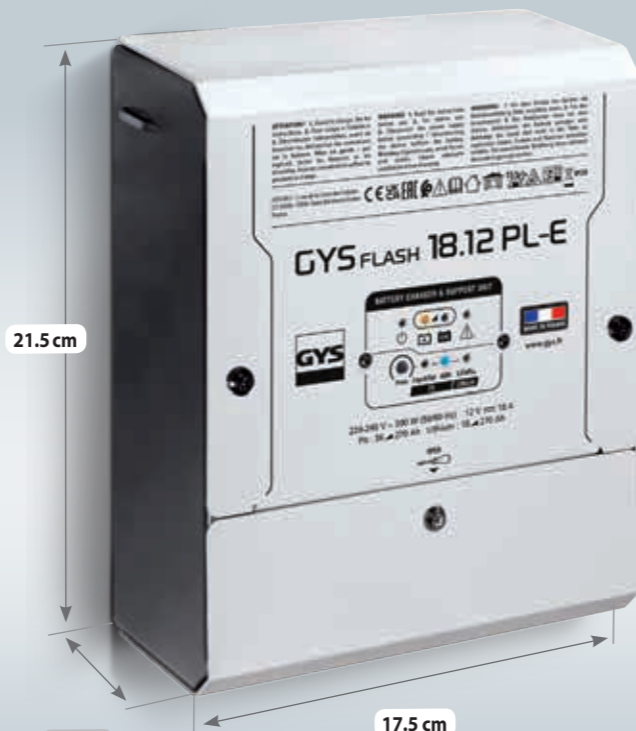
**ON BOARD CHARGERS FOR Pb & LITHIUM BATTERIES**

**EMBARQUÉ ON BOARD**

- Pb** NMC / LCO / MCO / NCA...
- Lithium** LiFePO4 / Li-ion / Li-Po

SSM

PFC POWER FACTOR CORRECTION 185V - 265V



21.5 cm

17.5 cm

7 cm  
GYSFLASH 18.12 PL-E

8 cm  
GYSFLASH 30.12 PL-E  
GYSFLASH 15.24 PL-E  
GYSFLASH 10.36 PL-E  
GYSFLASH 8.48 PL-E

**12V**

- GYSFLASH 18.12 PL-E**  
**18 A**  
Pb / LFP  
025806
- GYSFLASH 30.12 PL-E**  
**30 A** COMING SOON  
Pb / LFP

**24V**

- GYSFLASH 15.24 PL-E**  
**15 A**  
Pb / Traction / LFP / Li-ion  
025943
- GYSFLASH 10.36 PL-E**  
**10 A** COMING SOON  
Pb / Traction / LFP / Li-ion  
025950
- GYSFLASH 8.48 PL-E**  
**8 A** COMING SOON  
Pb / Traction / LFP / Li-ion

**48V**

**OPEN & CONNECT**

cables not included



4 pts connector included  
3G  
0.75 > 2.5 mm<sup>2</sup>

3 pts connector included  
max 2.5 mm<sup>2</sup>  
or AWG14

**INCLUDED**



Fixing Kit  
Ø 5.5 mm  
GYSFLASH 18.12 PL-E, 15.24 PL-E, 10.36 PL-E, 8.48 PL-E

**INDUSTRIAL CHARGERS** COMING SOON

PB / Traction / LFP / Li-ion  
CAN BUS / CAN OPEN / J1939 / NMEA 2000 / R9485 / SM BVS

- GYSPOWER 24V : 15 A - 30 A - 50 A - 100 A**
- GYSPOWER 36V : 10 A - 20 A - 30 A**
- GYSPOWER 48V : 8 A - 25 A - 50 A**

MADE IN FRANCE	50/60 Hz	Pb	LFP	START MINI	I max	Temperature				Zz	Ondulation/Ripple	IP	Dimensions	Weight		
						@100%	@100%	@100%	@100%							
GYSFLASH 18.12 PL-E	230V	12V	300W	2V	18A	18A	16A	14A	12.5A	36 > 270 Ah	18 > 270 Ah	<0.4 Ah/month	<150 mV Rms	20	21.5 x 7 x 17.5 cm	1.3 kg
GYSFLASH 30.12 PL-E	230V	12V	500W	2V	30A	30A	27A	23A	18A	60 > 400 Ah	30 > 400 Ah	<0.4 Ah/month	<150 mV Rms	20	21.5 x 8 x 17.5 cm	1.6 kg
GYSFLASH 15.24 PL-E	230V	24V	500W	2V	15A	15A	13.5A	11.5A	9A	30 > 240 Ah	15 > 240 Ah	<0.4 Ah/month	<150 mV Rms	20	21.5 x 8 x 17.5 cm	1.6 kg
GYSFLASH 10.36 PL-E	230V	36V	500W	2V	10A	10A	9A	7.5A	6A	20 > 230 Ah	10 > 230 Ah	<0.4 Ah/month	<150 mV Rms	20	21.5 x 8 x 17.5 cm	1.6 kg
GYSFLASH 8.48 PL-E	230V	48V	500W	2V	8A	8A	7A	6A	5A	15 > 160 Ah	8 > 160 Ah	<0.4 Ah/month	<150 mV Rms	20	21.5 x 8 x 17.5 cm	1.6 kg

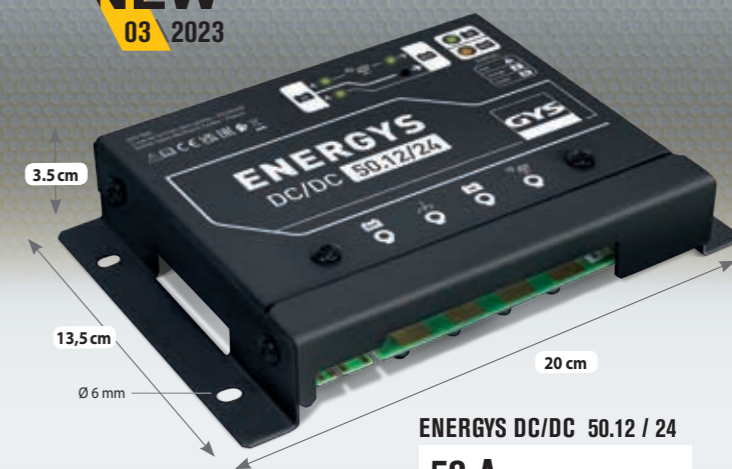
**ENERGYS**

**POWER INVERTER DC > DC REVERSIBLE**

**EMBARQUÉ ON BOARD**

- Pb** Liquid / Gel, AGM
- Lithium** LiFePO4

**NEW**  
03 2023



3.5 cm

13.5 cm

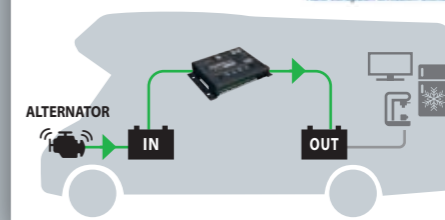
20 cm

**ENERGYS DC/DC 50.12 / 24**  
**50 A**  
072534

	U input	U output	I output	POWER	EFFICIENCY	Zz	T° USE	OUTPUT	mm	g
ENERGYS DC/DC 50.12/24	10-32V	0-32V	50 A	1500 W	98 %	<1 mA	50 °C	6 mm <sup>2</sup> min	135 x 35 x 200	520

**EURO 6 STANDARD**

when starting the vehicle



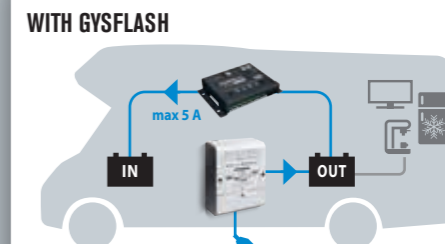
**OPEN & CONNECT**



4 pts connector included  
min 6 mm<sup>2</sup>  
or AWG9  
cables not included

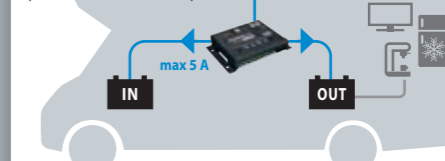
**DOUBLE CHARGING**

vehicle stopped



**WITH SOLAR PANEL**

MPPT integrated (Max Power Point Tracker)



**MORE OUTPUT POWER**

**PARALLEL CHARGING**



150 A





**SC SMART COOLING TECHNOLOGY**

100% DUST PROOF

SILENT

**SMART 9 STEP**

**Pb**

- Status analysis
- Recovery
- Sulphation test
- Desulfation
- Fast charge 80%
- Absorption
- Test Absorption
- Refresh
- Floating 100%

**LiFePO<sub>4</sub>**

- Status analysis
- UVP Wake Up (Under Voltage Protection). Battery reactivation when in UVP protection
- Recovery
- Fast charge 90%
- Absorption 95%
- Test
- Completion
- Equalization
- Floating 100%

**CHARGE**

**Pb AUTOMOTIVE**

- ✓ GEL
- ✓ AGM
- ✓ LIQUID
- ✓ EASY
- ✓ EXPERT

**Pb TRACTION**

- ✓ GEL
- ✓ LIQUID

**LIITHIUM READY**

- ✓ LFP/LiFePO<sub>4</sub>

**BSU**

**DIAG +**

U2 ADJUSTABLE

**SHOWROOM**

**CHANGE BATTERY**

**POWER SUPPLY**

U2 & I2 max ADJUSTABLE

**GYSFLASH PRO**

# BSU & CHARGERS

BATTERY SUPPORT UNIT

YouTube

10.5 cm

PLAYLIST GYSFLASH PRO

**PFC POWER FACTOR CORRECTION**

**FV FLEXIBLE VOLTAGE**

85 V — 265 V

Select mode

Select parameters

Adjust values

- 22 languages**
- GB DK CZ
  - FR FI PL
  - DE TR SK
  - NL HR UA
  - ES GR
  - PT HU
  - IT CN simplified
  - RU CN traditional
  - SE JP



**12 V**

**GYSFLASH 30.12**

**30 A**

PFC SC

2,5 m - 6 mm<sup>2</sup>

029224

**GYSFLASH 50.12 FV**

**50 A**

PFC FV SC

2,5 m - 10 mm<sup>2</sup>

026056

**GYSFLASH 100.12**

**100 A**

PFC SC

2,5 m - 16 mm<sup>2</sup>

029071

029453

5 m - 16 mm<sup>2</sup>

029415

029002

**6 / 12 / 24 V**

**GYSFLASH 30.24**

**30 A**

PFC SC

2,5 m - 6 mm<sup>2</sup>

029231

**GYSFLASH 50.24**

**50 A**

PFC SC

2,5 m - 10 mm<sup>2</sup>

029095

5 m - 16 mm<sup>2</sup>

029620

**12 V**

**GYSFLASH 102.12**

**100 A**

PFC SC

5 m - 16 mm<sup>2</sup>

029606



MADE IN FRANCE	50 / 60 Hz	↕	mm <sup>2</sup>	START MINI	I max	25°C @ 100 %	40°C @ 100 %	TRACTION BATTERIES	SHOWROOM CONNECT	IP	↕	👤			
<b>GYSFLASH 30.12</b>	185 > 265 V	2,5 m	6	12V	540 W	2V	30 A	30 A	30 A	10 > 400 Ah	—	0 M6	21	25,5 × 10,5 × 23 cm	4.9 kg
<b>GYSFLASH 50.12 FV</b>	85 > 265 V	2,5 m	10	12V	850 W	2V	50 A	50 A	40 A	10 > 600 Ah	—	0 M6	21	30 × 10,5 × 29 cm	6.6 kg
<b>GYSFLASH 100.12</b>	185 > 265 V	2,5 m 5 m	16	12V	1600 W	2V	100 A	75 A	66 A	20 > 1200 Ah	—	0 M6	21	32 × 10,5 × 29.2 cm	7.4 kg 8.3 kg
<b>GYSFLASH 30.24</b>	185 > 265 V	2,5 m	6	6V 12V 24V	540 W	2V	30 A 30 A 15 A	30 A 30 A 15 A	30 A 30 A 15 A	10 > 400 Ah 10 > 200 Ah	•	0 M6	21	25,5 × 10,5 × 23 cm	4.9 kg
<b>GYSFLASH 50.24</b>	185 > 265 V	2,5 m 5 m	10 16	6 V 12V 24V	1600 W	2V	50 A	50 A 50 A 45 A	45 A 40 A 35 A	10 > 600 Ah	•	0 M6	21	30 × 10,5 × 29.2 cm	6.6 kg 7.9 kg
<b>GYSFLASH 102.12</b>	185 > 265 V	5 m	16	12V	1600 W	2V	100 A	75 A	66 A	20 > 1200 Ah	—	0 M6	21	12 × 34,5 × 29,5 cm	9.1 kg





# GYSFLASH PRO CNT

# BSU & CHARGERS

BATTERY SUPPORT UNIT

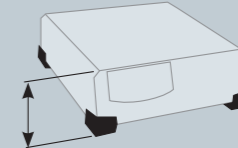
**CNT**  
Connected  
Technology  
**FULL  
CUSTOMIZABLE**  
p.26

**PFC** POWER FACTOR CORRECTION

**FV** FLEXIBLE VOLTAGE  
85 V ← 265 V

**22 languages**

- GB RU GR CN simplified
- FR SE CZ CN traditional
- DE DK PL JP
- NL FI SK UA
- ES TR
- PT HR
- IT HU



**10.5 cm**  
51.12 CNT  
101.12 CNT

**13 cm**  
121.12 CNT FV  
125.12 CNT FV  
101.24 CNT FV  
51.48 CNT FV

**12V (factory preset)  
24V READY**

Use custom configuration tool  
(detail p.26)



## 12 V

GYSFLASH 51.12 CNT FV

**50 A**

PFC FV SC CNT

2,5 m - 10 mm<sup>2</sup>  
068179



GYSFLASH 101.12 CNT

**100 A**

PFC SC CNT

2,5 m - 16 mm<sup>2</sup>  
025790

5 m - 16 mm<sup>2</sup>  
026988



GYSFLASH 121.12 CNT FV

**120 A**

PFC FV CNT

5 m - 25 mm<sup>2</sup>  
026971

027756  
071605



GYSFLASH 125.12 CNT FV

**120 A** 120 A @ 100%

PFC FV CNT

5 m - 25 mm<sup>2</sup>  
028883



## 6 / 12 / 24 V

GYSFLASH 101.24 CNT FV

**100 A**

PFC FV CNT

5 m - 25 mm<sup>2</sup>  
025967



## 6 / 12 / 24 / 36 / 48 V

GYSFLASH 51.48 CNT FV

**50 A**

PFC FV CNT

5 m - 16 mm<sup>2</sup>  
072015



**SC**

**SMART COOLING TECHNOLOGY**

**100% DUST PROOF**

**SILENT**

**SMART 9 STEP**

**Pb**

- Status analysis
- Recovery
- Sulphation test
- Desulfation
- Fast charge 80%
- Absorption
- Test Absorption
- Refresh
- Floating 100%

**LiFePO<sub>4</sub>**

- Status analysis
- UVP Wake Up
- Recovery
- Fast charge 90%
- Absorption 95%
- Test
- Completion
- Equalization
- Floating 100%

UVP Wake up (Under Voltage Protection). Battery reactivation when in UVP protection

Equalizing Balancing System 100% Perfect charge

**CHARGE** (150 CURVES CAPACITY)

**Pb AUTOMOTIVE**

- ✓ GEL
- ✓ AGM
- ✓ LIQUID
- ✓ EASY
- ✓ EXPERT
- ✓ NORMAL
- ✓ BOOST
- ✓ RECOVERY+ and more

**Pb TRACTION**

- ✓ GEL
- ✓ LIQUID
- ✓ and more

**LITHIUM READY**

- ✓ LFP/LiFePO<sub>4</sub>
- ✓ LI-ION STD
- ✓ LFP CELL+
- ✓ LI-ION CELL+
- ✓ and more

**BSU** (15 CURVES CAPACITY)

**DIAG +**

**SHOWROOM**

**CHANGE BATTERY**

**POWER SUPPLY**

**AND MORE**

**TEST**

- ✓ VOLTAGE
- ✓ START UP
- ✓ ALTERNATOR

**STARTER**

- ✓ START

**CNT**

**Connected Modules & Technology** p.26

MADE IN FRANCE	50/60 Hz	mm <sup>2</sup>	START MINI	I max	25°C @100%	40°C @100%	TRACTION BATTERIES	SHOWROOM CONNECT	IP	Weight				
GYSFLASH 51.12 CNT FV	85 > 265 V	2,5 m	10	12V	50 A	50 A	10 · 600 Ah	0 M6	41	30 × 10,5 × 29 cm	6.8 kg			
				24V	25 A	25 A	10 · 300 Ah	0 M6	21	32 × 10,5 × 29,2 cm	7.5 kg			
GYSFLASH 101.12 CNT	185 > 265 V	2,5 m 5 m	16	12V	100 A	75 A	20 · 1200Ah	0 M6	21	32 × 10,5 × 29,2 cm	8.3 kg			
GYSFLASH 121.12 CNT FV	85 > 265 V	5 m	25	12V	2000 W	1V	110 V : 100 A 230 V : 120 A	75 A 110 A	55 A 90 A	20 · 1200Ah	0 M6	20	31 × 13 × 26 cm	10.4 kg
GYSFLASH 125.12 CNT FV	85 > 265 V	5 m	25	12V	2000 W	1V	110 V : 100 A 230 V : 120 A	100 A 120 A	77 A 116 A	20 · 1200Ah	0 M6	40	31 × 13 × 26 cm	10.9 kg
GYSFLASH 101.24 CNT FV	85 > 265 V	5 m	25	6/12V	3200 W	1V	110 V : 100 A 230 V : 100 A	72 A 89 A	47 A 68 A	20 · 1200Ah	0 M6	20	31 × 13 × 26 cm	10.6 kg
				24V	50 A 59 A	50 A 59 A	35 A 59 A	0 M6	20	31 × 13 × 26 cm	10.6 kg			
GYSFLASH 51.48 CNT FV	85 > 265 V	5 m	16	6/12/24V	3200 W	1V	110 V : 50 A 230 V : 50 A	50 A 50 A	28 A 41 A	10 · 600 Ah	0 M6	20	31 × 13 × 26 cm	8.1 kg
				36/48V	25 A 37 A	26 A 48 A	20 A 37 A	0 M6	20	31 × 13 × 26 cm	8.1 kg			





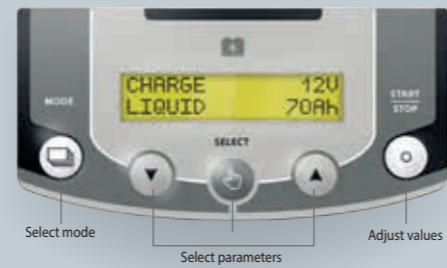


# BSU & CHARGERS

BATTERY SUPPORT UNIT

CNT  
Connected  
Technology

FULL  
CUSTOMIZABLE  
p.26



22 languages

- GB NL IT DK HR PL UA CN simplified
- FR ES RU FI GR SK CN traditional
- DE PT SE TR CZ HU JP

PFC POWER FACTOR CORRECTION

FV FLEXIBLE VOLTAGE  
85 V ← 265 V

## TRACTION



NEW  
01 2023



12 V

6 / 12 / 24V

6 / 12 / 24 / 36 / 48 V

GYSFLASH 103.12 CNT

GYSFLASH 123.12 CNT FV

GYSFLASH 103.24 CNT FV

GYSFLASH 25.48 CNT FV

GYSFLASH 53.48 CNT FV

100 A

120 A

100 A

25 A

50 A

PFC SC CNT

PFC FV CNT

PFC FV CNT

PFC FV CNT

PFC FV CNT

5 m - 16 mm<sup>2</sup>  
072008

5 m - 25 mm<sup>2</sup>  
025677

5 m - 25 mm<sup>2</sup>  
025684

5 m - 16 mm<sup>2</sup>  
075962

5 m - 16 mm<sup>2</sup>  
025998

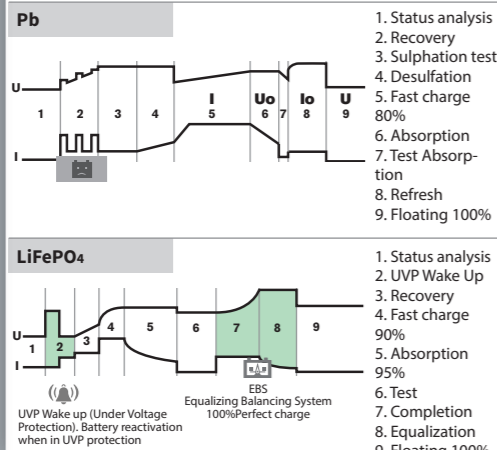
SC

SMART COOLING TECHNOLOGY

100% DUST PROOF

SILENT

### SMART 9 STEP



### CHARGE (150 CURVES CAPACITY)

- Pb AUTOMOTIVE**
- ✓ GEL
  - ✓ AGM
  - ✓ LIQUID
  - ✓ EASY
  - ✓ EXPERT
  - ✓ NORMAL
  - ✓ BOOST
  - ✓ RECOVERY+ and more
- Pb TRACTION**
- ✓ GEL
  - ✓ LIQUID
  - ✓ and more
- LITHIUM READY**
- ✓ LFP/LiFePO<sub>4</sub>
  - ✓ LI-ION STD
  - ✓ LFP CELL+
  - ✓ LI-ION CELL+
  - ✓ and more

### BSU (15 CURVES CAPACITY)

- DIAG +**
- SHOWROOM**
- CHANGE BATTERY**
- POWER SUPPLY**
- AND MORE**
- ✓ TEST
  - ✓ VOLTAGE
  - ✓ START UP
  - ✓ ALTERNATOR
  - ✓ STARTER
  - ✓ START

### CNT

Connected Modules & Technology p.26



MADE IN FRANCE

	50/60 Hz	mm <sup>2</sup>	START MINI	I max	25°C @100%	40°C @100%	TRACTION BATTERIES	SHOWROOM CONNECT	IP	Weight					
<b>GYSFLASH 103.12 CNT</b>	185 > 265V	5 m	16	12V	1600W	1V	100 A	75 A	66 A	20 > 1200Ah	—	0 M6	21	12 × 34.5 × 29.5 cm	9.1 kg
<b>GYSFLASH 123.12 CNT FV</b>	85 > 265V	5 m	25	12V	2000W	1V	110V : 100 A 230V : 100 A	100 A 120 A	85 A 120 A	20 > 1200Ah	•	0 M6	30	34 × 25 × 15 cm	11 kg
<b>GYSFLASH 103.24 CNT FV</b>	85 > 265V	5 m	25	6/12V 24V	3200W	1V	110V : 100 A 230V : 100 A	100 A 100 A	68 A 79 A	20 > 1200Ah	•	0 M6	30	34 × 25 × 15 cm	11 kg
<b>GYSFLASH 25.48 CNT FV</b>	85 > 265V	5 m	10	6/12/24/ 36/48V	1600W	1V	110V : 12 A 230V : 25 A	NC	NC	10 > 300Ah	•	0 M6	21	12 × 34.5 × 29.5 cm	NC
<b>GYSFLASH 53.48 CNT FV</b>	85 > 265V	5 m	16	6/12/24V 36/48V	3200W	1V	110V : 50 A 230V : 50 A	50 A 50 A	28 A 41 A	10 > 600Ah	•	0 M6	30	34 × 25 × 15 cm	9.5 kg





# BSU & CHARGERS

BATTERY SUPPORT UNIT

**CNT**  
Connected  
Technology  
**FULL  
CUSTOMIZABLE**  
p.26

**PFC** POWER FACTOR CORRECTION

**FV** FLEXIBLE VOLTAGE  
85 V ← 265 V  
110 V 230 V  
GYSFLASH 148.12 CNT FV

**FV** FLEXIBLE VOLTAGE  
320V ← 520V  
400 V 480 V  
GYSFLASH 158.12 CNT FV

**22 languages**  
GB DK CN simplified  
FR FI CN traditional  
DE TR JP  
NL HR  
ES GR  
PT CZ  
IT PL  
RU SK  
SE UA  
HU

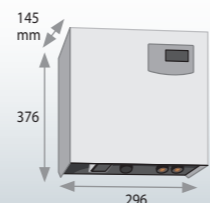
## INDUSTRY / PRODUCTION

**NEW**

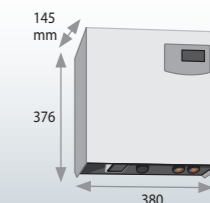
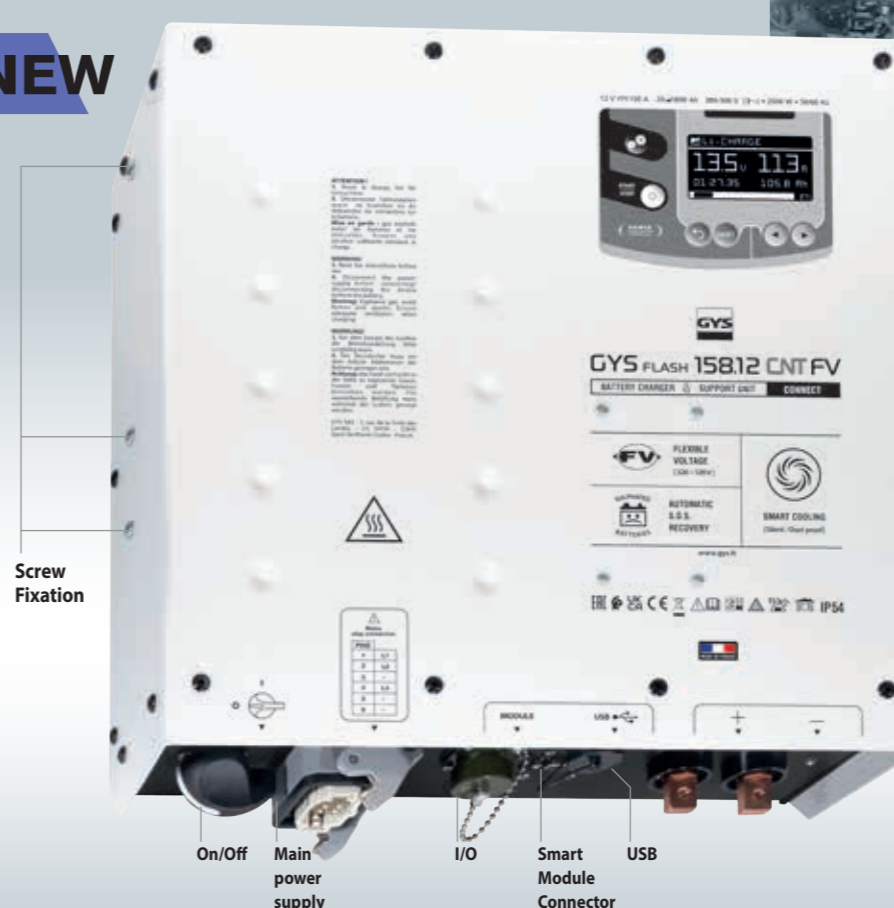


**IP 54**  
DUST & SPLASH PROTECTION

**NATURAL CONVECTION**



**NEW**



12 V



GYSFLASH 148.12 CNT FV

**145 A**

1 ~

**PFC FV CNT**

5 m - 25 mm²  
069916



GYSFLASH 158.12 CNT FV

**150 A**

3 ~

**FV CNT**

5 m - 25 mm²  
069909



**SC**

**SMART COOLING TECHNOLOGY**

100% DUST PROOF

**SILENT**

**SMART 9 STEP**

**Pb**

- Status analysis
- Recovery
- Sulphation test
- Desulfation
- Fast charge 80%
- Absorption
- Test Absorption
- Refresh
- Floating 100%

**LiFePO4**

- Status analysis
- UVP Wake Up
- Recovery
- Fast charge 90%
- Absorption 95%
- Test
- Completion
- Equalization
- Floating 100%

UVP Wake up (Under Voltage Protection). Battery reactivation when in UVP protection

Equalizing Balancing System 100% Perfect charge

**CHARGE** (150 CURVES CAPACITY)

**Pb AUTOMOTIVE**

- ✓ GEL
- ✓ AGM
- ✓ LIQUID
- ✓ EASY
- ✓ EXPERT
- ✓ NORMAL
- ✓ BOOST
- ✓ RECOVERY+ and more

**Pb TRACTION**

- ✓ GEL
- ✓ LIQUID
- ✓ and more

**LITHIUM READY**

- ✓ LFP/LiFePO4
- ✓ LI-ION STD
- ✓ LFP CELL+
- ✓ LI-ION CELL+
- ✓ and more

**BSU** (15 CURVES CAPACITY)

**DIAG +**

U2 ADJUSTABLE

**POWER SUPPLY**

U2 & I2 max ADJUSTABLE

**AND MORE**

- ✓ **TEST**
- ✓ VOLTAGE
- ✓ START UP
- ✓ ALTERNATOR
- ✓ **STARTER**
- ✓ START

**CNT** Connected Modules & Technology p.26

Power Hub

Light & Sound

Communication modules

Print & Scan

Smart Hub

**I/O** PLC connection

PLC

Contact us for use

MADE IN FRANCE	50/60 Hz	L	mm²		START MINI	I max	25°C @ 100%	40°C @ 100%	60°C @ 100%		TRACTION BATTERIES	SHOWROOM CONNECT	IP		
<b>GYSFLASH 148.12 CNT FV</b>	85 > 265V	5 m	25	12V	2500W	1V	110V : 100 A 230V : 145 A	100 A 134 A	90 A 116 A	62 A 88 A	•	Ø M6	54	376 × 145 × 296 mm	9.4 kg
<b>GYSFLASH 158.12 CNT FV</b>	320 > 520V	5 m	25	12V	2500W	1V	150 A	140 A	120 A	100 A	•	Ø M6	54	376 × 145 × 380 mm	10.3 kg





CNT Connected Technology

# TECHNOLOGY

## GYFLASH CONFIGURATION

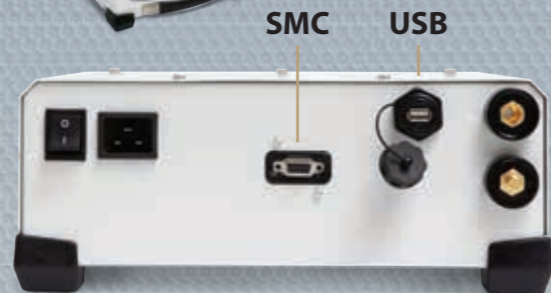


YouTube  
PLAYLIST  
CNT TECHNOLOGY



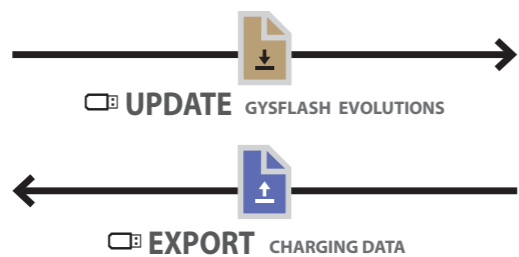
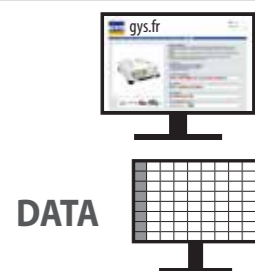
SPECIAL PROJECTS

Contact us for special projects.  
Quick Customization:  
Modes, Curves, parameters...



### SOFTWARE UPDATE / TRACEABILITY

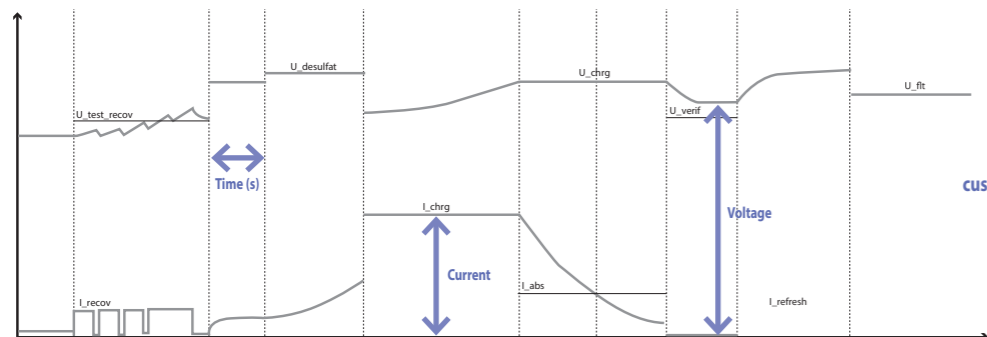
### LIFETIME EVOLUTION



### DESIGN YOUR CHARGING CURVE

### PRODUCT CONFIGURATION (CONFIG CURVE / LOGISTIC / CHARGING CURVE)

Pb Adjustable settings ↔



Full customisation



- CNT MANAGER**
- GYSFLASH parameters
  - Custom curves
  - Multi products management
  - Import/export configurations
  - ...



UPDATE CUSTOM CONFIGURATION



Configuration file (gys.fr)	Applications	CHARGE MODE										POWER MODE					MISCELLANEOUS		
		Pb-CHARGE				LI-CHARGE			TRACTION			SHOWROOM	DIAG+	CHANGE BAT.	STARTER MODE	POWER SUPPLY	LI-SUPPLY/LFP	LI-SUPPLY/LI-ion	TESTER MODE
		normal	AGM	liquide	Boost	Recovery +	Ca / Ca recov	LFP/LiFePO4	Li-ion std	LFP cell+	Li-ion cell+								
1_gys_original.gfc	Initial configuration of the charger	✓	✓	✓	✓		✓						✓	✓					✓
2_car_extended.gfc	Extensive features for garages	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓			✓
3_showroom_only.gfc	Simplified version for dealerships and demonstration vehicles												✓						
4_pro_lithium.gfc	Professional of lithium battery						✓	✓	✓	✓					✓	✓	✓		
5_traction.gfc	Forklift truck, electric pallet truck, stacker...										✓	✓							
6_full_version.gfc	Full version	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



CNT Connected Technology

# ACCESSORIES

## UNIT MODULES

COMING SOON LoRa Sigfox CAN BUS and More...

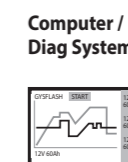


### SMART COMMUNICATION

### INCLUDED

**CNT-SUM**  
Smart USB Module  
025974

USB micro A  
-L: 69 x 68 x 29 mm / 85g

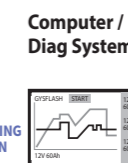


SMC Cable  
1 m  
056596



**NEW CNT-SWM**  
Smart Wireless Module  
070837

Bluetooth  
Wifi COMING SOON  
-L: 69 x 68 x 29 mm / 85g



SMC Cable  
1 m  
056596



**NEW CNT-SCM**  
Smart Can Module



### LIGHT & SOUND

### INCLUDED

**CNT-SLM**  
Smart Light Module  
027978

65dB  
Pb charge Lithium charge OK Error



SMC Cable  
1 m  
056596



Scratch fixation



### PRINT & SCAN

### INCLUDED

**CNT-SPM**  
Smart Printer Module  
026919

-L: 140 x 105 x 133 mm / 1.4 kg



CRITAIR Customer data Battery data Charge data

SMC Cable  
1 m  
056596



Standard roller x2  
57mm x 7.5 m, Ø 25 mm  
056633

### OPTIONS

Support Barcode scanner  
025745

USB Barcode scanner  
1D/2D  
027718



USB Keyboard

AZERTY 027725  
QWERTY 027770

QWERTZ compatibility



Magnetic fixation





SMC CABLE

1 m 056596  
3 m 025691



SMART HUB MODULE

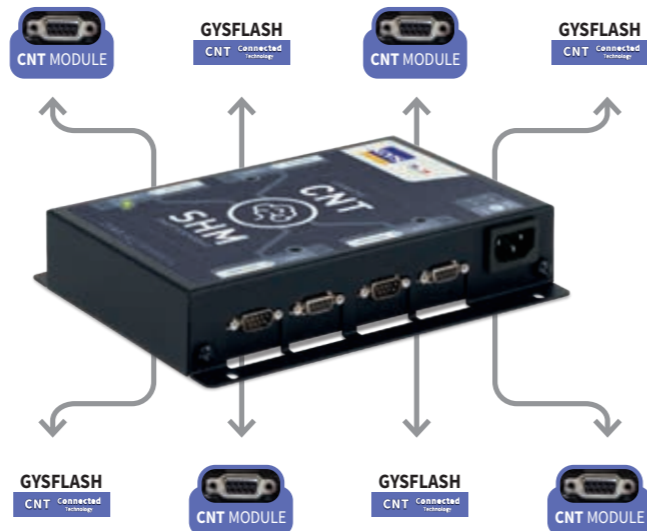
CNT-SHM  
Smart Hub Module  
025981

↳ 220 × 180 × 45 mm / 1 kg

INCLUDED

SMC Cable  
1 m 056596

UP TO 4 MODULES + 4 GYSFLASH



POWER HUB MODULE

CNT-PHM  
Power Hub Module  
056589

↳ 317 × 245 × 90 mm / 2.7 kg

4 GYSFLASH IN  
Ø Cables: 10 → 25 mm<sup>2</sup>

GYSFLASH CNT Connected  
GYSFLASH CNT Connected  
GYSFLASH CNT Connected  
GYSFLASH CNT Connected

INCLUDED  
M6 KIT



OUT Ø Cables: 25 → 70 mm<sup>2</sup>



EXTREME MODULARITY

SINGLE MODULE



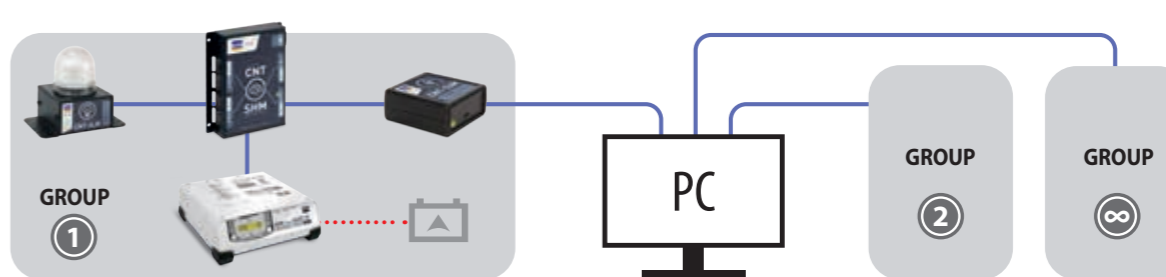
ADVANCED



MULTI MODULES

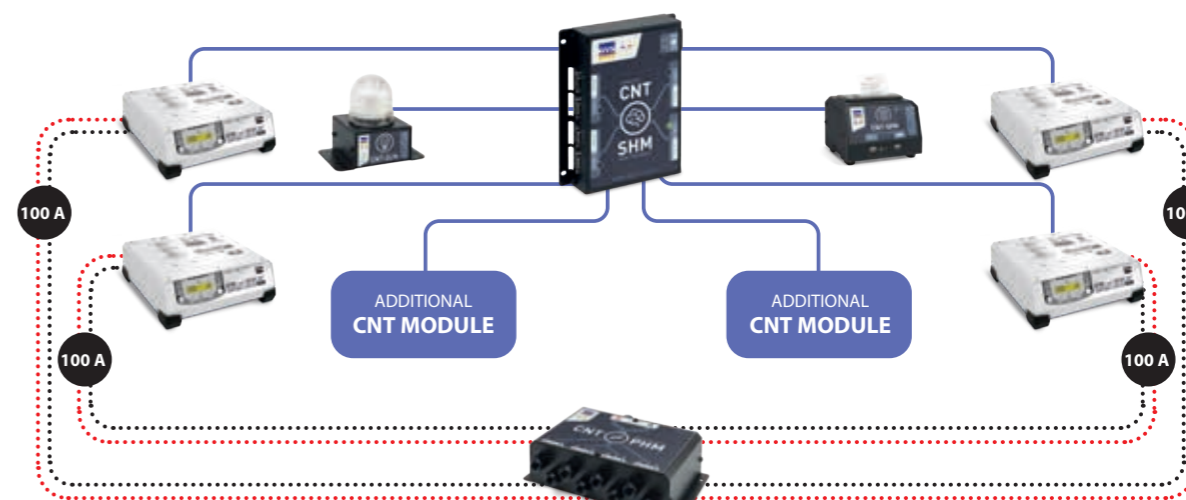


MULTI MODULES GROUPS



PARALLEL CHARGING

EXAMPLE : GYSFLASH 101.12 CNT (X4)







# STANDARD ACCESSORIES



## ANDERSON CABLES

for GYSFLASH	Anderson/Clamps	Anderson/NATO	Anderson<->Rema 160 A	Anderson<->Anderson 175 A	Anderson<->Texas
	2.5 m - 16 mm <sup>2</sup> 056503 5 m - 16 mm <sup>2</sup> 054615 8 m - 16 mm <sup>2</sup> 056572	2.5 m - 16 mm <sup>2</sup> 026810 	5 m - 16 mm <sup>2</sup> 069091	5 m - 16 mm <sup>2</sup> 069107	0.2 m - 16 mm <sup>2</sup> 055902 1 m - 16 mm <sup>2</sup> 028791
30.12 / 50.12 100.12 / 101.12 102.12 / 32-12 PL	✓	✓	—	—	✓
30.24 / 50.24	✓	✓	✓	✓	✓
53.48	✓	✓	✓	✓	—



## TEXAS CABLES

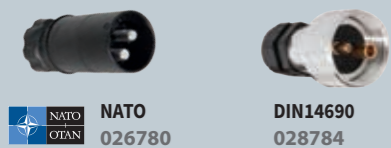
for GYSFLASH	Texas/Clamps	Texas/Rema 160 A	Texas/Anderson 175 A	Texas/NATO
	2.5 m - 25 mm <sup>2</sup> 028876 5 m - 25 mm <sup>2</sup> 027886	5 m - 16 mm <sup>2</sup> 025714	5 m - 25 mm <sup>2</sup> 025721	5 m - 25 mm <sup>2</sup> 025707 10 m - 25 mm <sup>2</sup> 056626 
101.24 / 121.12 123.12 / 103.24 125.12	✓	✓	✓	✓

## PARALLEL CABLES KIT

072954

= Anderson/Cable lugs M6 x2 16 mm<sup>2</sup> 1 m + Cable lugs/Cable lugs M6 x2 (1 red + 1 black) 35 mm<sup>2</sup> 5 m + Texas/Cable lugs M6 x2 25 mm<sup>2</sup> 1 m + M6 KIT Ø16 (x4) Ø25 (x4) Ø35 (x4) + SMC Cable - 1 m

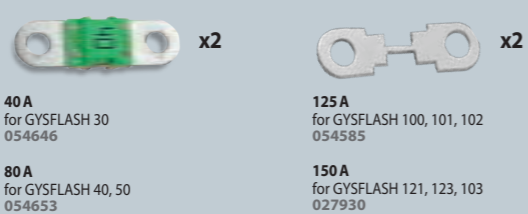
## CONNECTORS



NATO 026780

DIN14690 028784

## INTERNAL FUSES



40 A for GYSFLASH 30 054646

80 A for GYSFLASH 40, 50 054653

125 A for GYSFLASH 100, 101, 102 054585

150 A for GYSFLASH 121, 123, 103 027930

## EXTERNAL FUSES



6.3 A GYSFLASH 30 054578

10 A GYSFLASH 40, 50, 100, 101, 102 056527

## SUPPORTS

Tablette - Wall support  
Wandhalterung 055513



Valise de chantier  
Heavy-duty case  
Hartschalenkoffer 060432



Fixation



INCLUDED

Magnetfix 50 029637



OPTION

for GYSFLASH  
32.12 PL  
102.12  
123.12  
103.12  
103.24  
15.24 XTREM  
53.48

## CONFIGURATION (Chariot - Trolley - Fahrwagen)



▲▲▲ VERTICAL ▲▲▲  
▲▲▲ HORIZONTAL ▼▼▼

ALL GYSFLASH - COMPATIBILITY -

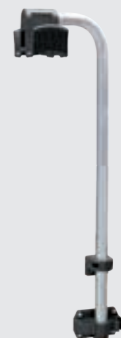
Chariot - Trolley  
Fahrwagen 028890



SLM/SPM support 028906



Cable support 052284



## GYSFLASH CNT PACKS

	101.12 CNT	121.12 CNT	CNT-SPM + roller + support	Barcode Scanner + support	Trolley	CNT SLM	CNT SHM	CNT PHM	Parallel cables kit
pack GYSFLASH CNT 1 068117	✓	—	✓	✓	✓	—	—	—	—
pack GYSFLASH CNT 2 068124	✓	—	✓	✓	✓	—	—	—	—
pack GYSFLASH CNT 3 068131	—	✓	✓	✓	✓	—	—	—	—
pack GYSFLASH CNT 4 068148	—	✓	✓	✓	✓	—	—	—	—
<b>NEW</b> pack GYSFLASH CNT 5 072978	✓ x2	—	✓	✓	✓	✓	✓	✓	✓
<b>NEW</b> pack GYSFLASH CNT 6 074972	✓ x2	—	✓	✓	✓	✓	✓	✓	✓
<b>NEW</b> pack Parallel Charging 072961	—	—	—	—	—	—	✓	✓	✓





# CHARGERS

ARTIC

IP 65

WATER PROTECTION  
ARTIC 1500, 4000 & 8000

CHARGERS ONLY



SSM

Mémorisation des réglages.  
Redémarrage automatique en cas de coupure électrique.

Save and load settings.  
Automatic restart in case of power cut.

Einstellungsspeicherung.  
Automatisches Starten nach einem Netzausfall.

START STOP

Start/stop Engine :  
Compatible véhicules Start/Stop.  
Compatible with Start/Stop vehicles.

Geeignet für START-STOP-Fahrzeuge.

Cold charge

Mode "Cold charge":  
optimisation des performances en cas de temps froid ou de gel.

"Cold charge" mode:  
performance-enhancing charging mode for cold or freezing weather conditions.

-Cold Charge-Modus:  
Leistungsoptimierung bei kaltem Wetter oder bei Frost.



ENERGY

PATENTS REGISTERED NUMBERS  
001652090-0001  
EUROPEAN TRADEMARK & DESIGN

TCB

PATENTS REGISTERED NUMBERS  
001652090-0001  
EUROPEAN TRADEMARK & DESIGN



2 IN 1

CHARGE



TEST

INCLUDED

all ARTIC

Ceillets /  
Eyelets /  
Ösen  
30 cm  
026872

Pinces /  
Clamps /  
Klemmen  
35 cm  
026865

## AUTOMATIC SMART HF INVERTER

REGULATED  
IUoU  
FAST CHARGE

ARTIC 800

12V 0.8A GO > 7V

SSM

029569

0295682



ARTIC 1500

12V 1.5A GO > 7V

SSM

029576

0295699



ARTIC 4000

6/12V 4/1-4A GO > 2 V (6V)  
GO > 7 V (12V)

SSM START STOP

029583

029705



ARTIC 8000

2/8A 12V GO > 7V

SSM START STOP

029590

029712



## 12V • TRADITIONAL W

ENERGY 124

3A

SSM

023215



ENERGY 126

4A

SSM

023222

025165



## 12V • AUTOMATIC WU

TCB 60

2/4A GO > 3.5 V

SSM START STOP

023253

025189



TCB 90

2/5.5A GO > 3.5 V

SSM START STOP

023260

025202



TCB 120

3.5/7A GO > 3.5 V

SSM START STOP

023284

025240



Fuse X10  
10A 054530  
15A 054493

	50/60 Hz	Power	CHARGE			Reg	Polarity protection	Cold Charge	SSM	Full security	Start/Stop engine	Fuse	CHARGER + TESTER	CONTROL	Dimensions	Weight
			V	A	Eff. / RMS											
ARTIC 800	100-240V	15W	12V	0,8 A	—	—	—	—	—	—	—	—	—	13 × 6,5 × 3,8 cm	430 g	
ARTIC 1500	220-240V	27W	12V	1,5 A	—	—	—	—	—	—	—	—	—	15,2 × 7 × 4 cm	500 g	
ARTIC 4000	220-240V	75W	6V	4 A	—	2	—	—	—	—	—	OK	—	19,3 × 8 × 5,2 cm	780 g	
			12V	1A / 4A												
ARTIC 8000	220-240V	130W	12V	2/8 A	—	2	—	—	—	—	—	OK	—	22 × 9,6 × 5,9 cm	1130 g	
ENERGY 124	220-240V	70W	12V	3 A	4,5 A	—	—	—	—	—	—	10A	—	11,5 × 16 × 22 cm	1900 g	
			12V	4 A	6 A	—	—	—	—	—	—	—	10A	—	11,5 × 16 × 22 cm	2000 g
TCB 60 automatic	220-240V	85W	12V	2-4 A	6 A	2	—	—	—	—	10A	OK	OK	12 × 17 × 29 cm	2500 g	
TCB 90 automatic	220-240V	120W	12V	2-5,5 A	8 A	2	—	—	—	—	15A	OK	OK	12 × 17 × 29 cm	3200 g	
TCB 120 automatic	220-240V	150W	12V	3,5-7 A	10,5 A	2	—	—	—	—	15A	OK	OK	12 × 17 × 29 cm	3200 g	

RECOMMENDATION	6V		12V		24V		6V									
	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah			
Maintenance																
ARTIC 800			1,6 • 25 Ah		1,6 Ah •											
ARTIC 1500			3 Ah •		> 40 Ah		3 Ah • 100 Ah									
ARTIC 4000			2 Ah •		> 70 Ah		2 Ah • 130 Ah									
ARTIC 8000			4 Ah •		> 160 Ah		4 Ah • 240 Ah									
ENERGY 124					10 • 45 Ah											
ENERGY 126					15 • 60 Ah											
TCB 60					10 Ah •		> 60 Ah									
TCB 90					15 • 90 Ah											
TCB 120					20 • 120 Ah											





CT

# CHARGERS



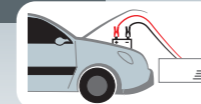
**CT 160**  
**9 A**  
SSM  
1.5 m - 1.5 mm<sup>2</sup> → 40 A  
024106  
025325



**CT 210**  
**12 A**  
SSM  
1.5 m - 2.5 mm<sup>2</sup> → 40 A  
024113  
025349

12/24 V • MANUAL **W**

CA



Protection for on-board electronics



**CA 150**  
**10 A**  
SSM  
1.5 m - 2.5 mm<sup>2</sup> → 40 A  
024434



**CA 360**  
**25 A**  
SSM  
2 m - 6 mm<sup>2</sup> → 60 A  
023185

12/24 V • AUTOMATIC **W2**

## MULTICHARGE



6 charging speeds

**MULTICHARGE CT 48**  
**32 A**  
SSM  
026087

12/24/36/48 V • MANUAL **W**

## WATTMATIC



Protection for on-board electronics



**WATTMATIC 100**  
**5 A** GO > 3.5 V  
SSM START STOP  
024823  
025417  
1.5 m - 1.5 mm<sup>2</sup> → 40 A



**WATTMATIC 140**  
**9 A** GO > 3.5 V  
SSM START STOP  
025608  
025622  
1.5 m - 2.5 mm<sup>2</sup> → 40 A



**WATTMATIC 170**  
**10 A** GO > 3.5 V  
SSM START STOP  
025615  
025639  
1.8 m - 2.5 mm<sup>2</sup> → 40 A

6/12 V • AUTOMATIC **WUoU**



Fuse x10

10A WATTMATIC 100 054530

15A CT 160, WATTMATIC 140 054493

20A CT 210, WATTMATIC 150 & 170 054509

25A CA 150, WATTMATIC 180 054516

40A CT 48 054646

50A CA 360 054622

	Voltage	Power	Output	CHARGE				Efficiency / RMS	Reg	Fuse	Dimensions	Weight
				Moyen / Average (EN 60335)			Reg					
				Reg 1	Reg 2	Reg 3						
<b>CT 160</b>	230V, 50/60 Hz	190 W	12/24V	12V > 7 A 24V > 3 A	9 A (boost) 5 A (boost)	—	13,5 A 7,5 A	2 2	15 A	20,5 × 30 × 13,5 cm	3,9 kg	
<b>CT 210</b>	230V, 50/60 Hz	260 W	12/24V	12V > 8 A 24V > 4 A	12 A (boost) 6 A (boost)	—	18 A 9 A	2 2	20 A	22,5 × 33,5 × 14,5 cm	5,2 kg	
<b>MULTICHARGE CT 48</b>	230V, 50/60 Hz	1200 W	12/24/36/48V	12V > 20,8 A 24V > 20,1 A 36V > 19,6 A 48V > 15,5 A	32,4 A 31,8 A 30,4 A (boost) 18,7 A (24,3 A boost)	—	31 A 29 A 29 A 28 A	6 6 6 6	40 A	32,5 × 39,5 × 20,5 cm	15,5 kg	
<b>CA 150</b>	230V, 50/60 Hz	500 W	12/24V	8 A	10 A (boost)	—	18 A	2	25 A	33 × 26 × 14 cm	6 kg	
<b>CA 360</b>	230V, 50/60 Hz	920 W	12/24V	7 A	15 A (boost1) 25 A (boost2)	—	37 A	3	50 A	44 × 31 × 23 cm	14 kg	
<b>WATTMATIC 100</b>	230V, 50 Hz	170 W	6/12V	3 A	5 A	—	11,4 A	2	10 A	24 × 26 × 13 cm	3,8 kg	
<b>WATTMATIC 140</b>	230V, 50 Hz	230 W	6/12V	5 A	9 A (boost)	—	16,5 A	2	15 A	36 × 22 × 14 cm	4,8 kg	
<b>WATTMATIC 170</b>	230V, 50 Hz	280 W	6/12V	6,5 A	10 A (boost)	—	18,8 A	2	20 A	36 × 22 × 14 cm	5 kg	

RECOMMENDATION	Capacity (Ah)															
	6V	12V	24V	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah
<b>CT 160</b>																
<b>CT 210</b>																
<b>MULTICHARGE CT 48</b>																
<b>CA 150</b>																
<b>CA 360</b>																
<b>WATTMATIC 100</b>																
<b>WATTMATIC 140</b>																
<b>WATTMATIC 170</b>																













# CHARGERS & STARTERS

3 in 1

- AUTOMATIC CHARGE**  
= BATTERY
- AUTOMATIC START**
- TEST ALTERNATOR**

TIMER

UNIVERSAL MODE AUTO SELECTION

SULFATED BATTERIES

ALL BATTERIES

GO >1V

FULL PROTECTION

- On-board electronics
- Over voltage
- No sparks



**BSU**  
Battery Support Unit



POWER SUPPLY  
DIAG+ 60A  
Voltage adjustable  
12 V - 15 V



YouTube

PLAYLIST  
STARTIUM



35/50 mm<sup>2</sup>



Compatibility p.53




## 12/24V • AUTOMATIC IWUoU

**STARTIUM 330E**  
**25 A**  
1,9 m - 10 mm<sup>2</sup> → 500 A  
026469

**STARTIUM 480E**  
**40 A**  
1,9 m - 16 mm<sup>2</sup> → 600 A  
026483  
☎: 025578

**STARTIUM 680E**  
**45 A**  
2,2 m - 25 mm<sup>2</sup> → 600 A  
026490  
☎: 025585

**STARTIUM 980E**  
**50 A**  
2,5 m - 35 mm<sup>2</sup> → 600 A  
026506



**12V • AUTOMATIC IWUoU + BSU • 12/24V**

**DIAG STARTIUM 60-12**  
**60 A**  
2,2 m - 25 mm<sup>2</sup> → 600 A  
026513

**DIAG STARTIUM 60-24**  
**60 A**  
2,2 m - 25 mm<sup>2</sup> → 600 A  
026520  
☎: 025592

MADE IN FRANCE	I <sub>1</sub>	CHARGE kW	START kW	CHARGE				START			BSU	FUSE	CCA I (EN) START						
				min > max	Efficace / RMS	Moyen / Average (EN 60335)	Reg	Boost	Automatic	1V/C				0V/C	AUTO START				
<b>STARTIUM 330E</b>	230V	16 A	0,8	6,5	12V	20 > 370 Ah	40 A	25 A	4	—	•	12V	165 A	270 A	—	100 A	43 × 26 × 26 cm	16,3 kg	500 A
					24V	20 > 300 Ah						24V	130 A	210 A					
<b>STARTIUM 480E</b>	230V	16 A	1,7	9	12V	20 > 600 Ah	65 A	30 A	4	40 A	•	12V	280 A	390 A	—	200 A	31 × 48 × 80 cm	28,6 kg	750 A
					24V	20 > 450 Ah						24V	210 A	290 A					
<b>STARTIUM 680E</b>	230V	16 A	2	10	12V	20 > 675 Ah	75 A	30 A	4	45 A	•	12V	380 A	550 A	—	200 A	31 × 48 × 80 cm	31 kg	900 A
					24V	20 > 525 Ah						24V	270 A	380 A					
<b>STARTIUM 980E</b>	230V	16 A	2	12	12V	20 > 750 Ah	80 A	40 A	4	50 A	•	12V	500 A	720 A	—	250 A	31 × 48 × 80 cm	36 kg	1400 A
					24V	20 > 525 Ah						24V	400 A	560 A					
<b>DIAG STARTIUM 60-12</b>	230V	16 A	2	10	12V	20 > 900 Ah	95 A	60 A	4	—	•	12V	310 A	440 A	•	200 A	48 × 35 × 90 cm	36 kg	900 A
					6V	20 > 900 Ah						6V	—	—					
<b>DIAG STARTIUM 60-24</b>	230V	16 A	2	10	12V	20 > 900 Ah	95 A	60 A	4	—	•	12V	300 A	430 A	•	200 A	48 × 35 × 90 cm	36 kg	900 A
					24V	20 > 525 Ah						24V	280 A	410 A					
					6V	20 > 900 Ah						6V	—	—					

Fuse ×2	100 A Startium 330E 054394			200 A Startium 480E, 680E, Diag. 60-12, 60-24 054547			250 A Startium 980E 055568												
	6V	12V	24V	6V	12V	24V	6V	12V	24V										
<b>STARTIUM 330E</b>	•	•								40 > 80 Ah	80 > 120 Ah								
<b>STARTIUM 480E</b>	•	•									40 > 120 Ah	120 > 160 Ah							
<b>STARTIUM 680E</b>	•	•										50 > 180 Ah	180 > 200 Ah						
<b>STARTIUM 980E</b>	•	•											50 > 240 Ah						
<b>DIAG STARTIUM 60-12</b>	•	•										50 > 180 Ah	180 > 200 Ah						
<b>DIAG STARTIUM 60-24</b>	•	•										50 > 180 Ah	180 > 200 Ah						





STARTFLASH

# CHARGERS / BSU & STARTERS

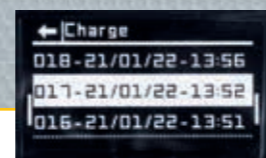
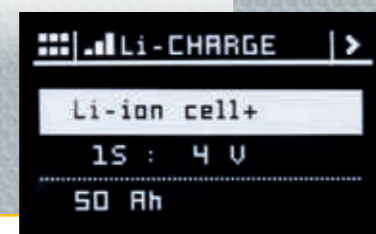
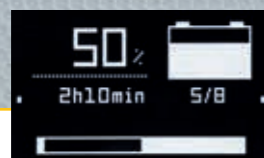
CNT Connected Technology

SPECIAL PROJECTS

Contact us for special projects. Quick Customization: Modes, Curves, parameters...

22 languages

- GB RU GR CN simplified
- FR SE CZ CN traditional
- DE DK PL JP
- NL FI SK
- ES TR UA
- PT HR
- IT HU



## 4 in 1

### AUTOMATIC CHARGE

#### Pb AUTOMOTIVE

- ✓ GEL
- ✓ AGM
- ✓ LIQUID
- ✓ EASY
- ✓ EXPERT
- ✓ NORMAL
- ✓ BOOST
- ✓ RECOVERY+

#### Pb TRACTION

- ✓ GEL
- ✓ LIQUID

#### LITHIUM READY

- ✓ LFP/LiFePO<sub>4</sub>
- ✓ LI-ION STD
- ✓ LFP CELL+
- ✓ LI-ION CELL+

### BSU

#### DIAG +



#### SHOWROOM



#### CHANGE BATTERY



#### POWER SUPPLY



### AUTOMATIC STARTER

✓ START

### TEST

- ✓ VOLTAGE
- ✓ START UP
- ✓ ALTERNATOR

FULL PROTECTION

On-board electronics

Over voltage

No sparks

UNIVERSAL MODE AUTO SELECTION

SULFATED BATTERIES

START STOP ALL BATTERIES

GO >1V

PFC POWER FACTOR CORRECTION

185 V ← 265 V

100 V 200 V

1 WORLD PREMIERE

43

STARTFLASH

CHARGERS & STARTERS

## NEW



### 6/12/24V • AUTOMATIC

#### STARTFLASH 120.24 CNT

## 2 > 300 A

5 m - 35 mm<sup>2</sup> > 700 A

073616

OPTION



Trolley 074965



Texas/Clamps  
2.5 m - 25 mm<sup>2</sup> 028876  
5 m - 25 mm<sup>2</sup> 027886



Texas/Rema 160 A  
5 m - 16 mm<sup>2</sup> 025714



Texas/Anderson 175 A  
5 m - 25 mm<sup>2</sup> 025721



Texas/NATO  
5 m - 25 mm<sup>2</sup> 025707  
10 m - 25 mm<sup>2</sup> 056626

### CNT Connected Technology

#### SOFTWARE UPDATE



UPDATE STARTFLASH EVOLUTIONS

#### CUSTOMIZATION



UPDATE CUSTOM CONFIGURATION

CNT MANAGER  
• STARTFLASH parameters  
• Custom curves  
• Multi products management  
• Import/export configurations  
...

#### TRACEABILITY

EXPORT DATA CAPABILITIES



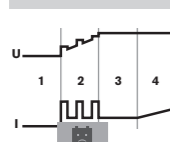
DATA  
Start date  
Curve name  
Rated voltage  
Battery capacity  
Initial battery state  
Charge duration  
Total duration  
Final battery state  
Identification and more ...

Connected Modules & Technology p.27



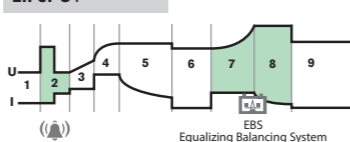
### SMART 9 STEP

#### Pb



1. Status analysis
2. Recovery
3. Sulphation test
4. Desulfation
5. Fast charge 80%
6. Absorption
7. Test Absorption
8. Refresh
9. Floating 100%

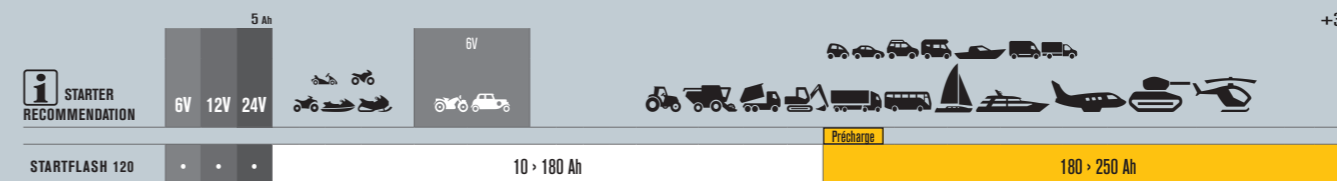
#### LiFePO<sub>4</sub>



1. Status analysis
2. UVP Wake Up
3. Recovery
4. Fast charge 90%
5. Absorption 95%
6. Test
7. Completion
8. Equalization
9. Floating 100%

UVP Wake up (Under Voltage Protection), Battery reactivation when in UVP protection

EBS Equalizing Balancing System 100% Perfect charge



MADE IN FRANCE	50/60 Hz	CHARGE	START MINI	I max	25°C @100%	40°C @100%	TRACTION BATTERIES	START			IP	Dimensions	Weight	
								1V/C	0V/C	AUTO START				
STARTFLASH 120.24 CNT	85 > 265V	6/12/24V	3500W	2V	110V : 100 A	75 A	55 A	•	6/12/24V	150 A	150 A	20	32 x 25 x 40,6 cm	13,9 kg
					230V : 120 A	110 A	90 A		6V :	300 A	300 A			
									12V :	300 A	300 A			





GYSPACK

# BOOSTERS

Pb/Lead INSIDE

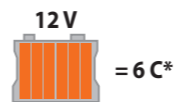
POWER SUPPLY  
12V DC

COMPRESSOR

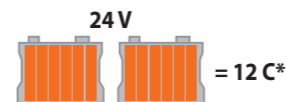


Air Kit included  
4 bars

i



\*C = cells, cellules



## HERITAGE 6/12 V



45

GYSPACK

BOOSTERS (Pb/Lead inside)



12 V 18 Ah INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

GYSPACK 400  
1 250 A 480 A  
1V/C

0.6 m - 16 mm<sup>2</sup> → 300 A  
025455  
025516

GYSPACK AIR  
1 250 A 480 A  
1V/C

1.1 m - 25 mm<sup>2</sup> → 500 A  
026322

12 V 22 Ah INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

GYSPACK 600  
1 750 A 550 A  
1V/C

0.6 m - 16 mm<sup>2</sup> → 300 A  
027336  
027497

GYSPACK PRO  
1 750 A 600 A  
1V/C

1.1 m - 25 mm<sup>2</sup> → 500 A  
026155  
025523

6 / 12 V 20 Ah + 20 Ah INSIDE HOBBIES OCCASIONAL PRO INTENSIVE

GYSPACK HERITAGE 6/12  
6V 3 200 A 400 A  
1V/C  
12V 1 600 A 450 A  
1V/C

1.8 m - 25 mm<sup>2</sup> → 600 A  
025844



INCLUDED GYSPACK Heritage

**OPTION**  
MEMORY AUTO SAVE  
CABLE OBD 1,5 m  
054202  
Fuse 7,5 A

**CHARGER**  
Power in 110-240 V / out 12 V  
50/60 Hz  
054677  
054660



**CHARGER**  
Power in 110-240 V / out 12 V  
50/60 Hz  
054684  
054691



Après chaque utilisation  
After each use  
Nach jeder Anwendung

DESIGN  
GYS FRANCE  
MADE IN  
GYS CHINA

	Inside	START	1V/C	Cranking CC	Peak Battery	ON/OFF	Power Supply	EXTERNAL Charge 230V	TEST OK	Dimensions	Weight
GYSPACK 400	12V-18 Ah	12V	480 A	900 A	1250 A	—	—	12V DC/0,5A	12V DC/1,2A	•	26x10x29 cm 30x18x37 cm 6,5 kg
GYSPACK AIR	12V-18 Ah	12V	480 A	900 A	1250 A	•	•	12V DC/0,5A	12V DC/1,2A	•	33x17x37 cm 36x20x43 cm 8,7 kg
GYSPACK 600	12V-22 Ah	12V	550 A	1050 A	1750 A	—	—	12V DC	12V DC/1,2A	•	26x10x29 cm 30x18x37 cm 6,5 kg
GYSPACK PRO	12V-22 Ah	12V	600 A	1100 A	1750 A	•	•	12V DC	12V DC/1,2A	•	35x14x37 cm 39x17x45 cm 9 kg
GYSPACK HERITAGE 6/12	6V-2 x 20 Ah	6V 12V	400 A 450 A	800 A 850 A	3200 A 1600 A	•	•	1 x 300 A	12V DC	•	37x20x46 cm 39x22x50 cm 18 kg

**RECOMMENDATION**

	6V	12V	24V	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah
GYSPACK AUTO / 400	•	•	•													
GYSPACK AIR	•	•	•													
GYSPACK 600	•	•	•													
GYSPACK PRO	•	•	•													
GYSPACK HERITAGE	•	•	•													



# BOOSTERS

Pb/Lead **INSIDE**

**+** POWER SUPPLY  
12V DC



**12 V** **28 Ah** **INSIDE** HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK 660**  
**1 900 A** **640 A 1V/C**  
1.3 m - 25 mm<sup>2</sup> → 600 A  
027862  
027992  
027879



INCLUDED GYSPACK 660

**CHARGER**  
⊕ Power in 100-240 V/out 12 V  
50/60 Hz  
027992  
025929



**12 V** **28 Ah SPIRAL** **INSIDE** HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK 750**  
**2 500 A** **750 A 1V/C**  
1.3 m - 25 mm<sup>2</sup> → 600 A  
026179  
026353



INCLUDED GYSPACK 750

**CHARGER**  
⊕ Power in 110-240 V/out 12 V  
50/60 Hz  
054684  
054691



**12 V** **28 Ah SPIRAL** **INSIDE** HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK PRO 800**  
**2 500 A** **700 A 1V/C**  
1.8 m - 25 mm<sup>2</sup> → 600 A  
068759  
072107

INCLUDED GYSPACK PRO 800

**CHARGER**  
⊕ Power in 110-240 V/out 12 V  
50/60 Hz  
054684  
054691



**12 V** **16 Ah** **INSIDE** HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK PRO 700**  
**1 800 A** **640 A 1V/C**  
1.4 m - 25 mm<sup>2</sup> → 600 A  
027077  
027947



1 096 701

**INTEGRATED CHARGER**  
**7 STEP**

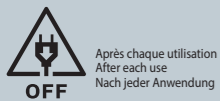
**12 V** **30 Ah** **INSIDE** HOBBIES OCCASIONAL PRO INTENSIVE

**GYSPACK PRO 900**  
**3 100 A** **830 A 1V/C**  
1.8 m - 35 mm<sup>2</sup> → 600 A  
027084  
027954



1 096 701

**INTEGRATED CHARGER**  
**7 STEP**



DESIGN GYS FRANCE

MADE IN GYS CHINA

MADE IN FRANCE

Model	START			CHARGER INSIDE	EXTERNAL Charge 230V	Protection		Power out		Fuse	Fuse	Dimensions (mm)	Weight (kg)
	Inside	1V/C	Peak Battery			ON/OFF	Memory	DC	AC				
GYSPACK 660	28 Ah	12V	640 A	1200 A	1900 A	•	•	⊕ 12V DC	—	1 × 200 A	35 × 19 × 40 cm	39 × 23 × 45 cm	13,5 kg
GYSPACK 750	28 Ah	12V	750 A	1450 A	2500 A	•	•	⊕ 12V DC	—	2 × 200 A	35 × 19 × 40 cm	39 × 23 × 45 cm	13,5 kg
GYSPACK PRO 800	28 Ah	12V	700 A	1320 A	2500 A	•	•	⊕ 12V DC	10 A	2 × 200 A	31 × 19 × 35 cm	32 × 23 × 37 cm	18,4 kg
GYSPACK PRO 700	16 Ah	12V	640 A	1200 A	1800 A	•	•	⊕ 12V DC	10 A	1 × 200 A	33 × 15 × 32 cm	35 × 24 × 36 cm	12 kg
GYSPACK PRO 900	30 Ah	12V	830 A	1700 A	3100 A	•	•	⊕ 12V DC	10 A	1 × 300 A	33 × 15 × 32 cm	35 × 24 × 36 cm	16 kg

Model	RECOMMENDATION															
	6V	12V	24V	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah
GYSPACK 660	•	•	•													
GYSPACK 750	•	•	•													
GYSPACK PRO 800	•	•	•													
GYSPACK PRO 700	•	•	•													
GYSPACK PRO 900	•	•	•													





STARTPACK

# BOOSTERS

Pb/Lead INSIDE

POWER SUPPLY  
12V DC



**EnerSys**  
**TPPL**  
TECHNOLOGY  
Thin Plate  
Pure Lead  
**PREMIUM QUALITY BATTERIES**



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STARTPACK

BOOSTERS (Pb/Lead inside)

12/24 V

22 Ah + 22 Ah

INSIDE

OCCASIONAL PRO INTENSIVE

### STARTPACK TRUCK

12V	3 200 A	750 A 1V/C
24V	1 600 A	650 A 1V/C

1.8 m - 25 mm<sup>2</sup> 600 A 025448  
026339



### STARTPACK TRUCK MOBILE

12V	3 200 A	750 A 1V/C
24V	1 600 A	650 A 1V/C

1.8 m - 25 mm<sup>2</sup> 600 A 026025  
028807

INCLUDED STARTPACK TRUCK & TRUCK MOBILE



Après chaque utilisation  
After each use  
Nach jeder Anwendung

#### CHARGER

Power in 110-240 V/out 12 V  
50/60 Hz  
054684  
054691



#### OPTION

MEMORY AUTO SAVE  
CABLE OBD 1,5 m  
054202  
Fuse 7,5 A



12/24 V

16 Ah + 16 Ah

INSIDE

OCCASIONAL PRO INTENSIVE

### STARTPACK 12.24 CI

12V	3600 A	900 A 1V/C	24V	1 800 A	700 A 1V/C
-----	--------	---------------	-----	---------	---------------

1.8 m - 35 mm<sup>2</sup> 600 A 024991  
068155

12/24 V

30 Ah + 30 Ah

INSIDE

OCCASIONAL PRO INTENSIVE

### STARTPACK PRO 12.24 CI

12V	6200 A	1300 A 1V/C	24V	3100 A	1200 A 1V/C
-----	--------	----------------	-----	--------	----------------

2 m - 50 mm<sup>2</sup> 600 A 028920  
068162

INCLUDED STARTPACK 12.24 & PRO 12.24

#### INTEGRATED CHARGER

7 STEP



Après chaque utilisation  
After each use  
Nach jeder Anwendung

Fuse x2 200 A 054547 300 A 054561



DESIGN GYS FRANCE

MADE IN GYS CHINA

MADE IN FRANCE

Model	Inside	START			TEST OK	50 / 60 Hz	CHARGER INSIDE	EXTERNAL Charge 230V	Protection		Power out		Weight			
		1V/C	Cranking CC	Peak Battery					ON/OFF	Memory	Fuse	Fuse				
STARTPACK TRUCK	2x 22 Ah	12V	750 A	1450 A	3200 A	•	110-240 V	—	12V/2A DC	•	•	12V DC	37x20 x46 cm	39x22 x50 cm	18 kg	
		24V	650 A	1300 A	1600 A							12V DC	37x20 x57 cm	39x24 x60 cm	21 kg	
STARTPACK 12.24 CI	2x 16 Ah	12V	900 A	1700 A	3600 A	—	220-240 V	4 A	—	•	•	—	1x 300 A	26x20 x48 cm	34x20 x51 cm	19 kg
		24V	700 A	1350 A	1800 A								1x 300 A	14x35 x56 cm	63x39 x30 cm	34 kg
STARTPACK PRO 12.24 CI	2x 30 Ah	12V	1300 A	2400 A	6200 A	—	220-240 V	4 A	—	•	•	—	1x 300 A	14x35 x56 cm	63x39 x30 cm	34 kg
		24V	1200 A	2250 A	3100 A								1x 300 A	14x35 x56 cm	63x39 x30 cm	34 kg

RECOMMENDATION	Capacity															
	6V	12V	24V	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah
STARTPACK TRUCK	•	•														> 150 Ah
STARTPACK TRUCK MOBILE	•	•														> 150 Ah
STARTPACK 12.24 CI	•	•														> 160 Ah
STARTPACK PRO 12.24 CI	•	•														> 220 Ah





STARTPACK

# BOOSTERS



SMART STARTER MANAGEMENT SYSTEM

- FULL PROTECTION**
  - On-board electronics
  - Reverse polarity
  - Over voltage
  - No sparks
- AUTO DETECT**
  - Battery voltage detection
  - Microprocessor Control
  - TIMER Adjustable



**INCLUDED** GYSFLASH XL 6.12 1.9m

**7 STEP** 6 A - Advanced technology 8 step smart charge

12/24 V 50Ah SPIRAL + 50Ah SPIRAL INSIDE HOBBIES OCCASIONAL PRO +++ INTENSIVE

**STARTPACK PRO 12.24 XL**

12V 8 500 A 1600 A 1V/C 24V 4 250 A 1400 A 1V/C

2m - 70mm<sup>2</sup> 1000 A 026711

**OPTION**

STANDARD CABLES 1000 A - 70 mm<sup>2</sup> - 4 m 026827

NATO CABLES 3 m - 50 mm<sup>2</sup> 072589

NATO CONNECTOR 026780

NATO ID / NCAGE : F8154 CG730

ENERGY STATION

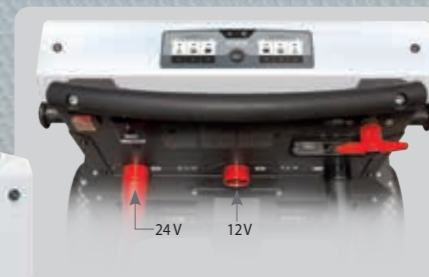
**Charger integrated**

**Autonomous booster**

**Charge external batteries**

Recommended ENERGY STATION : 2 x 120 · 170Ah  
ENERGY STATION FP : 2 x 120 · 170Ah

Batteries non fournies - Batteries not provided - Ohne Batterie geliefert



- FULL PROTECTION**
- On-board electronics
  - Over voltage
  - No sparks
  - Reverse polarity

12/24 V HOBBIES OCCASIONAL PRO INTENSIVE +++

**ENERGY STATION FP** 069589

**INTEGRATED CHARGER** 6 STEP

Model	Inside	START			CHARGE		CHARGER	Protection			Weight		
		12V	1V/C	Peak Battery	min	max		ON/OFF	Fuse	Dimensions			
STARTPACK PRO 12.24 XL	2x 50 Ah	12V	1 600 A	3 000 A	8 500 A	4 250 A	6 A outside	automatic	300 A	2m ø70mm <sup>2</sup>	106 x 32 x 35 cm	112 x 35 x 43 cm	68 kg
ENERGY STATION FP		selon batteries/according to battery /je nach Batterie (Pb only)			12/24 V	100 > 375 Ah (x2)	30 A inside	manual	300 A	2,5 m ø50mm <sup>2</sup>	70 x 65 x 91 cm	80 x 53 x 28 cm	29 kg + batteries

**RECOMMENDATION**

Model	12V	24V	5 Ah	10 Ah	15 Ah	20 Ah	40 Ah	80 Ah	90 Ah	110 Ah	120 Ah	180 Ah	240 Ah	300 Ah	+ Ah
STARTPACK PRO 12.24 XL	•	•													
ENERGY STATION FP	-	-													





# SELECT THE RIGHT BOOSTER

## CHOISISSEZ VOTRE BOOSTER • WÄHLEN SIE IHREN BOOSTER AUS

		12 V									12-24 V				ENERGY STATION FP	
		GYSPACK HERITAGE	GYSPACK 400	GYSPACK AIR	GYSPACK 600	GYSPACK PRO	GYSPACK 660	GYSPACK PRO 700	GYSPACK 750	GYSPACK PRO 800	GYSPACK PRO 900	STARTPACK TRUCK/ TRUCK MOBILE	STARTPACK 12.24 CI	STARTPACK PRO 12.24 CI	STARTPACK PRO 12.24 XL	ENERGY STATION FP
		025844	025455	026322	027336	026155	027862	027077	026179	068759	027084	025448 / 026025	024991	028920	026711	069589
		6 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V
		12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	24V	24V	24V	24V	24V
START	1V/C	400 (6 V)	480 A	480 A	550 A	600 A	640 A	640 A	750 A	700 A	830 A	750 (12 V)	900 A (12 V)	1300 A (12 V)	1600 A (12 V)	/
	CC	450 (12 V)										650 (24 V)	700 A (24 V)	1200 A (24 V)	1400 A (24 V)	
	800 (6 V)											1450 A (12 V)	1700 A (12 V)	2400 A (12 V)	3000 A (12 V)	
	850 (12 V)											1300 A (24 V)	1350 A (24 V)	2250 A (24 V)	2600 A (24 V)	
	PEAK	3200 (6 V)	1250 A	1250 A	1750 A	1750 A	1900 A	1800 A	2500 A	2500 A	3100 A	3200 A (12 V)	3600 A (12 V)	6200 A (12 V)	8500 A (12 V)	
	1600 (12 V)	1250 A	1250 A	1750 A	1750 A	1900 A	1800 A	2500 A	2500 A	3100 A	1600 A (24 V)	1800 A (24 V)	3100 A (24 V)	4250 A (24 V)		
		2 x 20 Ah	18 Ah	18 Ah	22 Ah	22 Ah	28 Ah	16 Ah <i>EnerSys</i>	28 Ah	28 Ah	30 Ah <i>EnerSys</i>	2 x 22 Ah	2 x 16 Ah <i>EnerSys</i>	2 x 30 Ah <i>EnerSys</i>	2 x 50 Ah <i>EXIDE TECHNOLOGIES</i>	
SPIRAL TECHNOLOGY																
		outside 2 A	outside 0,5 A	outside 0,5 A	outside 0,5 A	outside 0,5 A	outside 2 A	inside 2,5 A	outside 2 A	outside 2 A	inside 2,5 A	outside 2 A	inside 4 A	inside 4 A	outside 6 A	inside 30A
		Floating	W2	W2	W2	W2	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating	Floating
		12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC				
		1,8 m ø25 mm <sup>2</sup>	0,6 m ø16 mm <sup>2</sup>	1,1 m ø25 mm <sup>2</sup>	0,6 m ø16 mm <sup>2</sup>	1,1 m ø25 mm <sup>2</sup>	1,3 m ø25 mm <sup>2</sup>	1,4 m ø25 mm <sup>2</sup>	1,3 m ø25 mm <sup>2</sup>	1,8 m ø25 mm <sup>2</sup>	1,8 m ø35 mm <sup>2</sup>	1,8 m ø35 mm <sup>2</sup>	2 m ø50 mm <sup>2</sup>	2 m ø70 mm <sup>2</sup>	2,5 m ø50 mm <sup>2</sup>	
		37x20x46	26x10x29	33x17x37	26x10x29	35x14x37	35x19x40	33x15x32	35x19x40	31x19x35	33x15x32	37x20x46/37x20x57	34x18x46	63x39x30	112x35x43	70x65x91
		18 kg	6,5 kg	8,5 kg	6,5 kg	9 kg	13,5 kg	12 kg	13,5 kg	18,4 kg	16 kg	18/21 kg	22 kg	34 kg	68 kg	29 kg +

★ **MINI PRO**

★★★ **PRO**

★★★★★ **UNIVERSAL PRO**

CAUTION ON STAND BY  
Keep your GYSPACK connected to the mains supply.

ACHTUNG WENN NICHT IN GEBRAUCH  
Ladegerät dauernd angeschlossen lassen.

ATTENTION CUANDO ESTA APAGADO  
Dejar el cargador conectado permanentemente.

OPGELET BUITEN GEBRUIK  
Laat de lader onafgebroken aangesloten.



ATTENTION HORS UTILISATION  
Laisser le chargeur branché en permanence.



### NATO / OTAN : PRODUITS COMPATIBLES

- Compatible Products - Kompatible Produkte



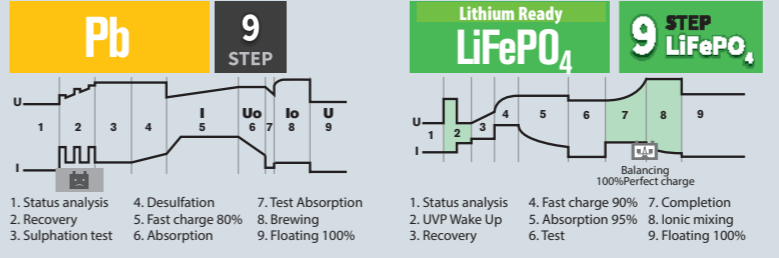
NATO ID / NCAGE : F8154 CG730

	GYSFLASH 30.12, 50.12 FV 100.12, 101.12 CNT 30.24, 50.24 102.12, 32-12PL	GYSFLASH 101.24 CNT FV 121.12 CNT FV	GYSFLASH 123.12 CNT FV 103.24 CNT FV	GYSFLASH 53.48 CNT FV	GYSFLASH 15.24 XTREM	STARTIUM 980E	STARTPACK PRO 12.24 XL
NATO CONNECTOR 026780							
Anderson/NATO 5 m - 16 mm <sup>2</sup> 026810	✓	—	—	✓	—	—	—
Texas/NATO 5 m - 25 mm <sup>2</sup> 025707	—	✓	✓	—	—	—	—
Texas/NATO 10 m - 25 mm <sup>2</sup> 056626	—	—	—	—	—	—	—
Anderson/NATO 3.5 m - 50 mm <sup>2</sup> 025653	—	—	—	—	—	✓	—
Anderson/NATO 2 m - 50 mm <sup>2</sup> 026803	—	—	—	—	—	—	✓
Anderson/NATO 3 m - 50 mm <sup>2</sup> 072589	—	—	—	—	—	—	—
2pts/NATO 5 m - 4 mm <sup>2</sup> 025837	—	—	—	—	✓	—	—
2pts/NATO Spiral 5 m 028968	—	—	—	—	✓	—	—



### BATTERIES DE TRACTION : PRODUITS COMPATIBLES

Compatible Products - Kompatible Produkte



		6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	CURRENT
24 V	BATIUM 25.24 X	75 Ah	90 Ah	120 Ah	125 Ah	130 Ah	140 Ah	155 Ah	165 Ah	180 Ah	25 A
	GYSFLASH 15.24 PLE	65 Ah	70 Ah	85 Ah	95 Ah	105 Ah	115 Ah	125 Ah	135 Ah	150 Ah	15 A
	GYSFLASH 30.24	105 Ah	115 Ah	140 Ah	160 Ah	175 Ah	190 Ah	220 Ah	225 Ah	250 Ah	25 A
	GYSFLASH 51.12	210 Ah	230 Ah	280 Ah	315 Ah	350 Ah	380 Ah	415 Ah	450 Ah	500 Ah	50 A
	GYSFLASH 101.24	420 Ah	460 Ah	560 Ah	630 Ah	700 Ah	760 Ah	830 Ah	900 Ah	1000 Ah	100 A
	GYSFLASH 103.24	420 Ah	460 Ah	560 Ah	630 Ah	700 Ah	760 Ah	830 Ah	900 Ah	1000 Ah	100 A
48 V	GYSFLASH 25.48	105 Ah	115 Ah	140 Ah	160 Ah	175 Ah	190 Ah	220 Ah	225 Ah	250 Ah	25 A
	GYSFLASH 51.48	210 Ah	230 Ah	280 Ah	315 Ah	350 Ah	380 Ah	415 Ah	450 Ah	500 Ah	50 A
	GYSFLASH 53.48	210 Ah	230 Ah	280 Ah	315 Ah	350 Ah	380 Ah	415 Ah	450 Ah	500 Ah	50 A

	Cables Anderson 175A/Texas
100 A	5 m - 25 mm <sup>2</sup> 025721
100 A	Cables REMA 160A/Texas
100 A	5 m - 25 mm <sup>2</sup> 025714
15 A	Cables REMA 160A/Anderson
50 A	5 m - 16 mm <sup>2</sup> 069091
30 A	Cables Anderson 175A/Anderson
50 A	5 m - 16 mm <sup>2</sup> 069107

NATO COMPATIBILITY





NOMADPOWER

# BOOSTERS

LITHIUM INSIDE

SPECIAL HOBBY • Utilisation non professionnelle  
• Non professional use • Nicht für gewerblichen Gebrauch.



4700 Pa



- ▶ START ENGINE
- + POWER BANK
- + LIGHT

PRO XL  
★★★★

PRO  
★★★

PRO  
★★★



12V

12V

12 / 24 V

24V

NOMAD POWER VAC 350

400 A

0,26 m - 5,26 mm<sup>2</sup> → AWG10  
028937



NOMAD POWER 300

350 A

0,28 m - 5,2 mm<sup>2</sup> → AWG10  
025875



NOMAD POWER 500

550 A

0,4 m - 8,3 mm<sup>2</sup> → AWG8  
027145  
☎: 069633



NOMAD POWER PRO 12 XL

1000 A

0,8 m - 21 mm<sup>2</sup> → AWG4  
025912  
☎: 069640



ACCESSORIES  
included for NOMAD POWER VAC 350

ACCESSORIES  
included for NOMAD POWER 300

ACCESSORIES  
included for NOMAD POWER 500

NOMAD POWER PRO 24 XL

1400 A

0,8 m - 21 mm<sup>2</sup> → AWG4  
025905  
☎: 069657



SMART CABLE  
MULTI SECURITIES

NOMAD POWER 400

500 A

0,28 m - 5,2 mm<sup>2</sup> → AWG10  
025882



NOMAD POWER PRO 700

600 A

0,26 m - 8,3 mm<sup>2</sup> → AWG8  
027510  
☎: 028838



NOMAD POWER PRO TRUCK

600 A

0,55 m - 13,3 mm<sup>2</sup> → AWG6  
027527  
☎: 028845



ACCESSORIES  
included for  
NOMAD POWER PRO 12 XL  
NOMAD POWER PRO 24 XL

ACCESSORIES  
included for NOMAD POWER 400

ACCESSORIES  
included for NOMAD POWER PRO 700

ACCESSORIES  
included for NOMAD POWER 500



	LITHIUM		I			J (3s)	START PETROL & DIESEL	CABLE	MULTI SECURITIES	INPUT	MICRO USB	OUTPUT	POWER BANK				cm	kg
	CAPACITY/CELL	TYPE	FULL CHARGE	Start (6V)	Cranking CC								Peak Battery	Smart	USB	OB		
NP VAC 350	2.5 Ah - 37 Wh	NMC	5 h	400 A	800 A	1000 A	9000 J	12V	5V-2A	•	5V/2 A	5V/2 A (Type C)	5V/2 A	•	2	—	27.2 × 0.65	0.48
NP 300	2.5 Ah - 37 Wh	NMC	5 h	350 A	700 A	900 A	8000 J	12V	12V 5V-2.1 A	•	5V/2 A	—	5V/9V/12V - 5V/2 A	•	2	—	14.6 × 7.8 × 3.1	0.365
NP 400	3 Ah - 45 Wh	NMC	5 h	500 A	1000 A	1200 A	11000 J	12V	12V 5V-2.1 A	•	5V/2 A	—	5V/9V/12V - 5V/2 A - 15V/5A	•	2	—	17.5 × 8.4 × 3.1	0.498
NP 500	5.25 Ah - 77.7 Wh	NMC	6 h	550 A	1300 A	1500 A	12000 J	12V	12V 5V-2A	•	5V/2 A 9V/2 A	—	5V/1A - 5V/2.1 A	•	2	—	22.5 × 9.1 × 3.4	0.610
NP PRO 700	6 Ah - 92.5 Wh	NMC	9 h	600 A	1500 A	2000 A	14000 J	12V	—	•	9V/2 A 12V/1.5 A	5V/2 A (Type C)	5V/2.4 A - 9V/2 A 12V/1.5 A - 15V/10 A	•	2	—	22.8 × 10 × 3.8	0.82
NP PRO TRUCK	5.3 Ah - 137 Wh	NMC	10 h	600 A	1500 A	2000 A	12V : 14000 J 24V : 35000 J	12V/24V	—	•	9 V/2 A 12 V/1.5 A	5V/2 A (Type C)	5V/1 A - 5V/2.1 A - 12V/10 A	•	2	•	24.8 × 24.8 × 9.6	2.4
NP PRO 12XL	8 Ah - 118.4 Wh	NMC	5 h	1000 A	1800 A	3000 A	22000 J	12V	12V/15 A 4 A	—	18V/2 A	—	5V/2.1 A - 12V/3.5 A 12V/10 A - 19V/3.5 A	•	2	•	27.4 × 27.8 × 11	5.6
NP PRO 24XL	8 Ah - 236.8 Wh	NMC	10 h	1400 A	2400 A	3000 A	60000 J	24V	12V/15 A 4 A	—	18V/2 A	—	5V/2.1 A - 12V/3.5 A 12V/10 A - 19V/3.5 A	•	2	•	27.4 × 27.8 × 11	5.6

Recommendation	Tractor	Truck	Bus	Van	Car	Motorcycle	Boat	Plane	Helicopter	Drone	Smartphone	Tablet	Camera	Headset	Speaker	Light	Power Bank
NP VAC 350	5 > 70 Ah																
NP 300	5 > 70 Ah																
NP 400	5 > 90 Ah																
NP 500	5 > 120 Ah																
NP 700	5 > 140 Ah																
NP PRO TRUCK	5 > 140 Ah																
NP PRO 12XL	5 > 180 Ah																
NP PRO 24XL	5 > 240 Ah																

**OPTION**

MEMORY AUTO SAVE CABLE OBD 1,5 m

for NP 12XL & 24XL

027534



55

NOMADPOWER

BOOSTERS (Lithium inside)

MADE IN CHINA

54





# BOOSTERS

## SUPER CAPACITORS INSIDE

SANS BATTERIE - BATTERYLESS  
- OHNE BATTERIE

### NEW TECHNOLOGY - FULL ELECTRONIC CONTROL



- ✓ NO BATTERY INSIDE
- ✓ NO MAINTENANCE
- ✓ ALWAYS READY
- ✓ BOOSTER SANS BATTERIE INTERNE
- ✓ AUCUNE MAINTENANCE
- ✓ TOUJOURS PRÊT
- ✓ KEINE INTERNE BATTERIE
- ✓ KEINE WARTUNG
- ✓ IMMER BEREIT

### EASY TO USE

2 minutes!



-40/+65°C

STARTRONIC 800

**800 A** 12V **GO > 5 V**

026735



5x **800 F** INSIDE

#### INCLUDED

CIGARETTE LIGHTER for Easy charge  
STARTRONIC 800 & HYBRID 950  
027404

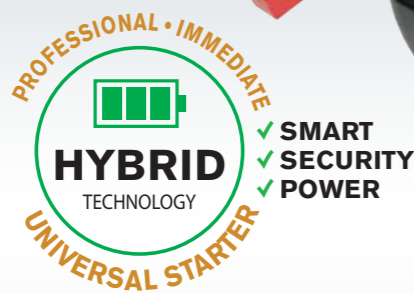


STARTRONIC **HYBRID 950**

**SUPERCAPACITORS + LITHIUM**

**950 A** 12V **GO > 1 V**

026117



5x **950 F** + **Lithium** INSIDE

INCLUDED STARTRONIC HYBRID 950

Lithium battery

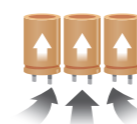


027411

### SUPERCAPACITORS



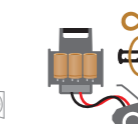
1 MILLION CYCLES



ULTRA FAST CHARGE



NO CHARGE STORAGE



UNLIMITED STARTS

### SMART STARTER



FULL PROTECTION

-40/+65°C



PRO ★★★



PRO ★★★



12V

5x **3000 F** INSIDE

GYSCAP 680E

**1600 A** 12V **GO > 1 V**

026773

1.7 m - 25 mm<sup>2</sup>  
Cables 100% Cu



Homologations / Approvals / Zulassungen:  
PSA17.1716

24V

10x **3000 F** INSIDE

GYSCAP 24V

**2500 A** 24V **GO > 2 V**

028944

2 m - 50 mm<sup>2</sup>  
Cables 100% Cu

INCLUDED

CIGARETTE LIGHTER for Easy charge

1.5 m



12V

GYSCAP 680E / GYSCAP 24V

OPTION

GYFLASH 4.12

p.6



F5

p.14



GYSCAP 680E / GYSCAP 24V



Recommendation



STARTRONIC 800

5 < 90 Ah

STARTRONIC HYBRID 950

5 < 100 Ah

GYSCAP 680 E

5 < 150 Ah

GYSCAP 24V

225 Ah

MADE IN CHINA

MADE IN FRANCE

	INPUT CHARGE Charging time											internal lithium battery	cm	kg	
	I			Number of Capacitors	Integrated Inverter	12V				5V / 2 A					MICRO USB Type B
	1V/C	START ICC	Peak			OFF	ON	OFF	ON	OFF	ON				
STARTRONIC 800	800 A	1 400 A	-	12V	5 x 800 F	•	4 min	60 s	4 min	4 min	5 V/2 A	40 min	-	26,7 x 19,5 x 5	1,86
STARTRONIC HYBRID 950	950 A	1 660 A	-	12V	5 x 950 F	•	4 min	60 s	4 min	4 min	5 V/2 A	40 min	30 min	25 x 18,5 x 6	1,86
GYSCAP 680E	1 600 A	2 700 A	9 000 A	12V	5 x 3000 F	•	15 min	2 min	15 min	15 min	-	-	-	35 x 44 x 19	8,2
GYSCAP 24V	2 500 A	4 500 A	10 000 A	24V	10 x 3000 F	•	15 min	2 min	30 min	30 min	-	-	-	32 x 49 x 21,5	12



# TESTERS



**x4**  
Languages  
Sprachen

Download on the App Store | GET IT ON Google Play

**x7**  
Languages  
Sprachen

Download on the App Store | GET IT ON Google Play

**x6**  
Languages  
Sprachen

Bluetooth

Download on the App Store | GET IT ON Google Play

NOT INCLUDED

HIGH TECH BT MOBILITY  
TRACK DATA by E-devices

**NEW**  
05 2023

**TRADITIONAL**

**TBP 100**

**6/12 V** 20 > 100 Ah

055131

**TBP 500**

**12 V** 10 > 160 Ah

055148

**ELECTRONIC & CONNECTED**

**Wireless battery monitor**  
Indicateur de charge sans fil

**BTW 6V/12V**

**6/12 V** 7 > 240 Ah

077355

ALTERNATOR 12/24 V

**BTW 300 DHC**

**6/12 V** 7 > 240 Ah

056664

ALTERNATOR 12/24 V

**LED**

**BT 001**

**12 V** 7 > 230 Ah

056640

**NUMERIC**

**NBT 100**

**12 V** 20 > 150 Ah

024151

ALTERNATOR 12 V

**NUMERIC**

**NBT 200**

**12 V** 20 > 150 Ah

024168

ALTERNATOR 12 V

**x1**  
Languages  
Sprachen

**DBT 300**

**12 V** 4 > 150 Ah

024175

ALTERNATOR 12 V

**x10**  
Languages  
Sprachen

**DBT 350**

**12 V** 7 > 240 Ah

025868

ALTERNATOR 12/24 V

**x9**  
Languages  
Sprachen

**DBT 400**

**6/12 V** 7 > 240 Ah

024182

ALTERNATOR 12/24 V

1.8 m  
\*detachable

**DIGITAL**

**DBT 300**

**12 V** 4 > 150 Ah

024175

ALTERNATOR 12 V

**DBT 350**

**12 V** 7 > 240 Ah

025868

ALTERNATOR 12/24 V

**DBT 400**

**6/12 V** 7 > 240 Ah

024182

ALTERNATOR 12/24 V

	BATTERY	TEST				PRINT PAPER	DIGITAL	RESULT	TEMPERATURE COMPENSATION	cm	kg		
		BATTERY A	BATTERY V	CHARGE & START SYSTEM VEHICLE									
MADE IN CHINA	<b>TBP 100</b>	6-12V	20 > 100 Ah	•	•	12V	—	5/10s	15 min	—	16x1.8x30	1.5	
	<b>TBP 500</b>	12V	10 > 160 Ah	•	•	12V	—	15s	15 min	—	27x26x13	3.75	
MADE IN TAIWAN	<b>BTW 300 DHC</b>	6-12V	7 > 240 Ah	•	min 1.5V	12/24V	—	1s	instant	•	10x3x7	0.33	
MADE IN CHINA	<b>BTW 6V/12V</b>	6-12V	7 > 240 Ah	—	min 4,5V	12/24V	—	1s	instant	•	11x3x2	0.11	
	<b>BATTERY MONITOR</b>	12-24V	7 > 240 Ah	—	min 7V	12/24V	—	1s	instant	•	6.5x5x1.5	0.1	
	<b>BT 001</b>	12V	7 > 230 Ah	—	•	12V	—	LED	1s	instant	3x12x1.5	0.29	
MADE IN TAIWAN	<b>NBT 100</b>	12V	20 > 150 Ah	•	min 7V	—	•	1s	instant	—	7x1.5x12	0.25	
	<b>NBT 200</b>	12V	20 > 150 Ah	•	min 7V	12V	—	•	1s	instant	7x1.5x12	0.25	
	<b>DBT 300</b>	12V	4 > 150 Ah	•	min 4,5V	12V	—	1s	instant	—	12x7.9x22.7	0.25	
	<b>DBT 350</b>	12V	7 > 240 Ah	•	min 8V	12/24V	—	1s	instant	•	9.6x3x13.8	0.8	
	<b>DBT 400</b>	6-12V	7 > 240 Ah	•	min 1,5V	12/24V	—	1s	instant	•	6 x 1,5V CR6-AA	11.5x5x19	0.8

i Recommendation	TEST							CURRENT CCA SAE
	Batteries/Battery/Ladegeräte	Circuit alterateur/Alternator Circuit/Lichtmaschinen Schaltkreis	LIQUID	START /STOP ENGINE	EFB	AGM VRLA/GEL		
<b>TBP 100</b>	6V 12V	12V	•	—	—	—	20 > 100 Ah	—
<b>TBP 500</b>	12V	12V	•	—	—	—	10 > 160 Ah	0 > 1000 A
<b>BTW 300 DHC</b>	6V 12V	12V 24V	•	•	•	•	7 > 240 Ah	40 > 2000 A
<b>BTW 6V/12V</b>	6V 12V	12V	•	•	•	•	7 > 240 Ah	10 > 2000 A
<b>BATTERY MONITOR</b>	12V 24V	12V 24V	•	•	•	•	7 > 240 Ah	—
<b>BT 001</b>	12V	12V	•	•	•	•	7 > 230 Ah	—
<b>NBT 100</b>	12V	—	•	—	—	—	20 > 150 Ah	200 > 1200 A
<b>NBT 200</b>	12V	12V	•	—	—	—	20 > 150 Ah	200 > 1200 A
<b>DBT 300</b>	12V	12V	•	—	•	•	4 > 150 Ah	40 > 1200 A
<b>DBT 350</b>	12V	12V 24V	•	•	•	•	7 > 240 Ah	40 > 2000 A
<b>DBT 400</b>	6V 12V	12V 24V	•	•	•	•	7 > 240 Ah	40 > 2000 A





PBT

# TESTERS

+ PRINTER



YouTube

PLAYLIST BATTERY TESTERS

Battery-management software - Gestion logicielle de la batterie - Software batterie management



COMPATIBILITY

USB Barcode scanner 1D/2D for BT2010, PBT 812, PBT 824 027718

p.27



61

PBT

TESTERS

x6 Languages Sprachen



Homologations Approvals Zulassungen

0.65 m

x5 Languages Sprachen



1.2 m

x10 Languages Sprachen



x9 Languages Sprachen



1.8 m

x10 Languages Sprachen



NEW 01 2023

1.8 m

x10 Languages Sprachen



1.8 m

## PRINTER • 12 V

PBT 550

12 V 30 > 220 Ah

START STOP ALTERNATOR 12 V

024199



x2 (included) 056633

PBT 600

12 V 30 > 220 Ah

START STOP ALTERNATOR 12/24 V

024205



x2 (included) 056633

PBT 700

12 V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

024229



Standard 57 mm (W)

x1 (included) 056237

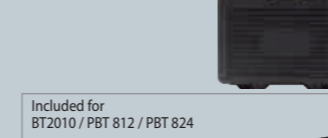
## PRINTER • 6/12 V

BT2010 START-STOP DHC

6/12 V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

055339



Included for BT2010 / PBT 812 / PBT 824

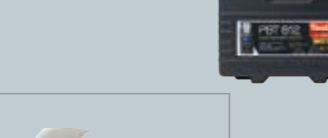
M/F plug Clamps 056510

PBT 812

6/12 V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

076686



Standard 57 mm (W)

x1 056237

## PRINTER • 6/12/24 V (2x12)

PBT 824

6/12/24(2x12)V 7 > 240 Ah

START STOP ALTERNATOR 12/24 V

025738



Languages - Sprachen

	GB	FR	DE	IT	ES	PT	CZ	NL	PL	RJ	TR
DBT 300											
DBT 350											
DBT 400											
PBT 550											
PBT 600											
PBT 700											
BT 2010											
PBT 812											
PBT 824											
BTW 300DHC											

MADE IN CHINA

MADE IN TAIWAN

	A	V	TEST		PRINT PAPER	DIGITAL	RESULT	TEMPERATURE COMPENSATION	cm	kg
			CHARGE & START SYSTEM VEHICLE	TEST						
PBT 550	12V	30 > 220 Ah	min 6V	12V	rétro-éclairé /back-lit	1s instant	•	—	55x25	0.55
PBT 600	12V	30 > 220 Ah	min 8V	12 / 24V	rétro-éclairé /back-lit	1s instant	•	—	55x25	1.1
PBT 700	12V	7 > 240 Ah	min 8V	12/24V	rétro-éclairé /back-lit	1s instant	•	—	23,5x 10,2x6,8	0.7
BT 2010 DHC	6-12V	7 > 240 Ah	min 1.5V	12/24V	rétro-éclairé /back-lit	1s instant	•	6 x 1.5V LR6-AA	13x6,4 x25,1	0.7
PBT 812	6-12V	7 > 240 Ah	min 1.5V	12/24V	color TFT display 2,8"	1s instant	•	6 x 1.5V LR6-AA or 18650 lithium battery (not included)	28x14x7,5	0.7
PBT 824	6-12-24 (2x12)V	7 > 240 Ah	min 1.5V	12/24V	rétro-éclairé /back-lit 4 colors	1s instant	•	6 x 1.5V LR6-AA	25x4,5 x13	0.7



i Recommendation	Batteries/Battery/ Ladegeräte	Circuit alternateur/ Alternator Circuit/ Lichtmaschine/Schaltkreis	PRINT PAPER	TEST					CURRENT CCA SAE	
				LIQUID	START /STOP ENGINE	EFB	AGM VRLA/GEL			
PBT 550	12V	12V	•	•	•	•	•	•	30 > 220 Ah	100 > 2000 A
PBT 600	12V	12V 24V	•	•	•	•	•	•	30 > 220 Ah	100 > 2000 A
PBT 700	12V	12V 24V	•	•	•	•	•	•	7 > 240 Ah	40 > 2000 A
BT 2010 DHC	6V 12V	12V 24V	•	•	•	•	•	•	7 > 240 Ah	40 > 3000 A
PBT 812	6V 12V	12V 24V	•	•	•	•	•	•	7 > 240 Ah	25 > 3000 A
PBT 824	6V 12V 24V (2x12)	12V 24V	•	•	•	•	•	•	7 > 240 Ah	40 > 2000 A

056220	x2	37 mm	7.5 m	25 mm			BT 301 / BT 501 / BT 551
056237	x1	57 mm	28 m	50 mm			RT 777 / PBT 700 / PBT 812 / PBT 824 / BT 2010
056633	x2	57 mm	7.5 m	25 mm			PBT 550 / PBT 600 / PBT 700 / PBT 812 / PBT 824 / BT 2010 / SPM



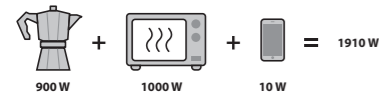
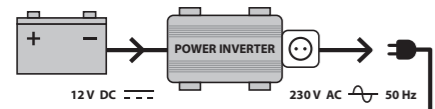


# POWER INVERTER

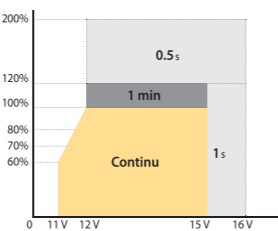
12/24 V DC > 230 V AC



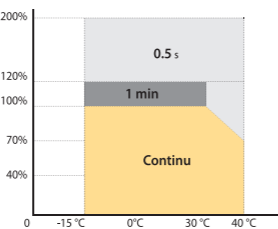
## MSW / PSW TECHNOLOGY



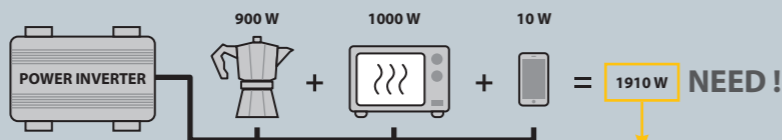
Puissance en fonction de la tension de sortie  
Power based on output voltage  
Leistung in Abhängigkeit von der Ausgangsspannung



Puissance en fonction de la température  
Power based on temperature  
Leistung in Abhängigkeit von der Temperatur



- Tension faible / Surtension / Surcharge / Surchauffe / Court-circuit
- Low volt / Over volt / Over load / Overheating / Output short-circuit
- Unterspannung / Überspannung / Überlastung / Überhitzung / Kurzschluss am Ausgang



### SELECT THE RIGHT POWER INVERTER

- CHOISISSEZ VOTRE CONVERTISSEUR
- WÄHLEN SIE IHREN WECHSELRICHTER

CONVERGYS 150	CONVERGYS 300	PSW 601W RC-12	PSW 1002W RC-12	PSW 1502W RC-12	PSW 2002W RC-12	PSW 2002W RC-24	MSW 82000
12 V				24 V			
				70 Ah 200 Ah			

### ÉLECTROMÉNAGER - HOME APPLIANCE

Micro-Ondes - Microwave - Mikrowelle	700 - 1000 W	30 - 50 min	1 h 30 - 2 h
Grille Pain - Toaster	800 - 1500 W	20 - 40 min	1 h - 2 h
Réfrigérateur - Fridge - Kühlschrank (40 L)	45 W	12 h	35 h
Bouilloire - Kettle - Wasserkocher	700 - 2500 W	15 - 45 min	35 min - 2 h
Cafetière espresso - Espresso coffee maker - Espresso-Maschine	1000 - 1600 W	20 - 30 min	1 h - 1 h 30
Cafetière filtre - Drip coffee maker - Filterkaffee-Maschine	800 - 1200 W	25 - 40 min	1 h 30 - 2 h

### ÉLECTRONIQUE - ELECTRONIC

Téléphone - Mobile phone - Telefon	5 - 10 W	55 - 110 h	155 - 310 h
Ordinateur portable - Laptop	60 - 95 W	5 - 9 h	16 - 28 h
Radio	10 - 40 W	14 - 55 h	40 - 155 h
TV 15"	40 W	13 h 30	39 h
TV 21"	50 W	11 h	31 h
Console de jeux vidéo - Video game console - Konsole für Videospiele	39 - 100 W	5 - 13 h	16 - 39 h
Appareil photo - Camera - Fotoapparat	4 - 19 W	25 - 135 h	78 - 390 h

### CONFORT - COMFORT

Eclairage - Light - Beleuchtung	100 W	5 h 30	16 h
Chauffage électrique - Electrical heater - Elektrische Heizung	1800 - 2500 W	12 - 20 min	35 - 45 min
Ventilateur - Fan - Lüfter	50 W	11 h	31 h
Sèche cheveux - Hairdryer - Fön	1000 - 2000 W	15 - 30 min	45 min - 1h 30

### NAUTISME - SAILING

Feux de navigation - Navigation lights - Navigationslichter	24 W	30 h	80 h
Radar	24 W	30 h	80 h
Pilote automatique - Autopilot mode	60 W	9 h	30 h
GPS - GPS/Sat nav.	6 W	110 h	310 h

\* Usage duration (h) =  $\frac{80\% \times \text{Capacity (Ah)} \times \text{Optimum Efficiency (\%)} \times \text{Input DC (V)}}{\text{Power (W)}}$

MADE IN CHINA	Power	Peak power	Pure Sin Wave	Optimum Efficiency	Input DC	Output AC	Output USB (2.1) DC	max 150 W	clips	Universal	clips	cm	cm	kg	
CONVERGYS 150	150 W	300 W	—	90,5 %	12V	230V	5V - 2 A	•	—	•	—	N/A	6 × 10 × 5	0,5 kg	
CONVERGYS 300	300 W	600 W	—	85 %	12V	230V	5V - 2 A	•	•	•	—	N/A	10 × 15 × 6	0,95 kg	
PSW 601W RC-12	600 W	1200 W	•	90 %	12V	230V	5V - 2 A	—	cables	•	•	5 m	26,5 × 17 × 7,5	30,5 × 21,5 × 11,5	2,2 kg
PSW 1002W RC-12	1000 W	2000 W	•	90 %	12V	230V	5V - 2 A	—	cables	•	•	5 m	37,5 × 21 × 10	43,5 × 27 × 15	4,7 kg
PSW 1502W RC-12	1500 W	3000 W	•	90 %	12V	230V	5V - 2 A	—	cables	•	•	5 m	37,5 × 21 × 10	43,5 × 27 × 15	5 kg
PSW 2002W RC-12	2000 W	4000 W	•	90 %	12V	230V	5V - 2 A	—	cables	•	•	5 m	38,5 × 25 × 10	45 × 34 × 17	6,25 kg
MSW 82000	2000 W	4000 W	—	80 %	24V	230V	5V - 2 A	—	cables	•	•	—	35 × 20 × 28	45 × 27 × 14,5	5,8 kg
PSW 2002W RC-24	2000 W	4000 W	•	90 %	24V	230V	5V - 2 A	—	cables	•	•	5 m	38,5 × 25 × 10	45 × 34 × 17	6,25 kg

## PSW REMOTE CONTROL

For 601W-12



For 1002W RC-12, 1502W RC-12, 2002W RC-12, 2002W RC-24



Input = 888 V  
Output = 888 W

12 V CONVERGYS

CONVERGYS 150  
027022  
027039



CONVERGYS 300  
027053  
027046



12 V PURE SINE WAVE

PSW 601W RC-12  
067332  
067349



PSW 1002W RC-12  
067356  
067363



PSW 1502W RC-12  
067370  
067387



PSW 2002W RC-12  
067394  
067400



24 V MODIFIED SINE WAVE



MSW 82000  
027237  
027244

24 V PURE SINE WAVE



PSW 2002W RC-24  
067417  
067424

INCLUDED FOR ALL





# POWER PACK

12 V > 230 V

Using Time	50 W	8 h
	100 W	4 h
	250 W	1 h 40
	500 W	50 min

Using Time	50 W	20 h
	100 W	10 h
	250 W	4 h
	500 W	2 h
	1000 W	1 h

**FULL PROTECTION**  
 Short-circuit protection,  
 Over-current protection,  
 Over-voltage protection,  
 Under-voltage protection,  
 Over-load protection,  
 Temperature protection

MPPT integrated  
 Solar panel compatibility

MPPT integrated  
 Solar panel compatibility



## 4in1

<b>1</b> 230 V - 50 Hz / 500 W <b>UNIVERSAL OUTPUT</b>  Type C / E / F / G / I	<b>2</b> 12 V / 12 A  Cigarette lighter + DC	<b>3</b> USB  Type C + QuickCharge 3.0 5V/3A; 9V/2A; 12V/1.5A Dual x2 5V/3.1A (Single: 2.4A Max)	<b>4</b> LIGHT <b>3 MODES</b> - Light - S.O.S. - Spot
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## 5in1

<b>1</b> 230 V - 50 Hz / 1000 W  Type C / E / F	<b>2</b> 12 V / 10 A  Cigarette lighter + DC	<b>3</b> USB  Type C + QuickCharge 3.0 5V/3A; 9V/2A; 12V/1.5A Dual x2 5V/3.1A (Single: 2.4A Max)	<b>4</b> LIGHT <b>5 MODES</b> - Light - Low - Medium - High - S.O.S. - Spot
---	--	---	--

**POWER PACK 520**  
**518 Wh** **20 Ah**

027961



POWER PACK 520 charging cables

**POWER PACK 1300**  
**1280 Wh** **50 Ah**

071988



ACCESSORIES included for POWER PACK 1300

**5 BOOSTER**  
  
 12 V PETROL & DIESEL

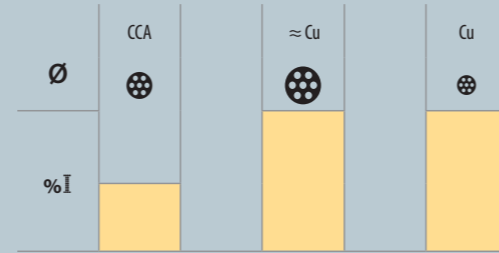
	CAPACITY/CELL	LITHIUM FULL CHARGE	TYPE	I		Nb cycles	POWER OUT	INPUT	OUTPUT	POWER SUPPLY			LIGHT	mm	kg
				Start	Peak					Light	USB	Light			
POWER PACK 520	518 Wh	8 h	NMC	—	—	1000	500 W	12-30V 80W max	5V/3 A; 9V/2 A; 12V/1.5 A 12V/12 A; 5V/3.1 A 230 V/50 Hz/500 W (AC) x2	•	3+ 1 (MICRO USB - Type C)	1 x LED	264 x 234 x 163	5.14	
POWER PACK 1300	1280 Wh	7 h - 11 h selon le mode de recharge	LFP	500 A	1000 A	2000	1000 W	12-30V 200W max	5 V - 9 V - 12 V - 16 V/3 A 20 V/3 A; 20V/5 A; 12V/10 A 230 V/50 Hz x3	•	4+ 2 (MICRO USB - Type C)	1 x LED	360 x 270 x 280	17.5	

RECOMMENDATION	Game	Phone	MP3	Laptop	TV	Tablet	Drill	Saw	Hammer	Screwdriver	Wrench	Key	Light	Speaker	Radio	Car	Truck	Drill
POWER PACK 520	•	•	•	•	•	•												
POWER PACK 1300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



# JUMPER CABLES

320 A > 1000 A



	Motorcycle	Tractor	ATV	Motorboat	Car	Van	Truck	Boat	Sailboat	Tractor	Truck	Bus	CCA	≈ Cu	Cu
056206													•	•	•
564015													•	•	•
056404													•	•	•
056190													•	•	•
056602													•	•	•
056312													•	•	•
056329													•	•	•
056336													•	•	•
027695													•	•	•
056343													•	•	•
056558													•	•	•
056541													•	•	•
056619													•	•	•

## PRO BRASS CLAMPS

**PINCES LAITON, NON ISOLÉES** - Brass clamps, NOT INSULATED - Messingklemmen, nicht isoliert - Pinzas de latón, no aisladas - Koperen klemmen, niet geïsoleerd - Garras bronce, latão isoladas - Ακροδέκτες χαλκού χωρίς μόνωση - ЛАТУННЫЕ ЗАЖИМЫ, НЕИЗОЛИРОВАННЫЕ - 黄铜夹, 无绝缘



	Power	Length	Clamps	Cross-section
056206	320 A	3m	—	16 mm <sup>2</sup> (CCA)
564015	500 A	3m	—	25 mm <sup>2</sup> (CCA)
056404	700 A	4,5m	—	35 mm <sup>2</sup> (CCA)
056602	1000 A	5,1m	—	50 mm <sup>2</sup> (100% Cu)
056190	1000 A	4,5m	INCLUDED	50 mm <sup>2</sup> (100% Cu)

MADE IN CHINA  
MADE IN FRANCE

## PRO INSULATED CLAMPS

**PINCES ISOLÉES** - INSULATED CLAMPS - ISOLIERTE KLEMMEN - Pinzas aisladas - Garras aisladas - Geïsoleerde klemmen - Μονωμένοι ακροδέκτες - Изолированные зажимы - 绝缘充电夹




	Power	ESSENCE BENZINE PETROL	DIESEL	Length	Clamps	Cross-section	DIN 72553
056312	200 A	1,5l		3m	—	10 mm <sup>2</sup>	—
056329	320 A	2,5l		3m	—	16 mm <sup>2</sup>	•
056336	500 A	5,5l	3l	3,5m	—	25 mm <sup>2</sup>	•
056343	700 A	7l	4l	4,5m	—	35 mm <sup>2</sup>	•
056558	1000 A	7l	4l	4,5m	INCLUDED	50 mm <sup>2</sup> (100% Cu)	—

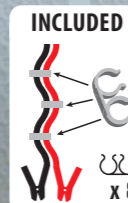
MADE IN CHINA

MADE IN FRANCE


## SUPER PRO INSULATED CLAMPS




**INCLUDED**




x 8



**ANTI-ARC PROTECTION x2**




MADE IN FRANCE



	Power	Length	Cross-section
056541	700 A	4,5m	35 mm <sup>2</sup> Ø 100% Cu
056619	1000 A	5m	50 mm <sup>2</sup> Ø 100% Cu

## CÂBLES DE DÉMARRAGE - BOOSTER CABLES - Starterkabel - CABLES DE ARRANQUE - CAVI DI AVVIAMENTO



**TEST VOLT**






DIN 72553	Power	ESSENCE BENZINE PETROL	DIESEL	Length	Cross-section
027695	350 A	5,5l	3l	3,5m	25 mm <sup>2</sup> ≈ Cu

## EV CHARGING

10 A → 32 A

Rechargement EV • Laden für Elektrofahrzeuge  
• Carga de EV • EV carregando • EV opladen • Φόρτιση EV  
• Зарядка электромобиля • 电动汽车充电



**NEW**  
03 2023

### SUPER PRO SMART EV CHARGE

10 → 32 A 1 ph / 3 ph

075320



#### INCLUDED



+ more output options...



10 A / 13 A / 16 A / 20 A / 32 A available on request

IP 55	Power	10 A	13 A	16 A	20 A	32 A
230V	2.3 kW	2.9 kW	3.7 kW	4.6 kW	7.4 kW	
400V	6.9 kW	8.9 kW	11 kW	14 kW	22 kW	

4,5 kg 23 x 16 x 9 cm



### PORTABLE EV CHARGER

10/16 A 1 ph

028975



### EV CHARGING CABLES

32 A 1 ph

028982

32 A 3 ph

028999

	IP	U <sub>1</sub>	I <sub>1</sub>	P	Icons	Length	Options
SUPER PRO SMART EV CHARGE	55	1 ph / 3 ph + N	10/13/16/20/32 A	2,3 → 22kW	• •	5m	Type 2
PORTABLE EV CHARGER	66	1 ph	10 / 16 A	3,7 kW	• —	5m	Type 2
EV CHARGING CABLE	66	1 ph	32 A	7,4 kW	— •	5m	Type 2
	66	3 ph	32 A	22 kW	— •	5m	Type 2

#### OPTION

121 x 43 x 57 cm  
060432





# ACCESSOIRES

CABLES EN 60245-6/H01N2-D (Caoutchouc - Rubber)	↔ L	A (60%)	A (35%)	
				↔ L
16 mm <sup>2</sup>	100 m	046252	121	131
	≠ x m	046207		
25 mm <sup>2</sup>	5 m	045408		
	100 m	046603	165	185
35 mm <sup>2</sup>	100 m	046702	211	243
	≠ x m	046405		
50 mm <sup>2</sup>	100 m	046801	275	323
	≠ x m	046757		
70 mm <sup>2</sup>	100 m	046832	351	419
	≠ x m	046832		
95 mm <sup>2</sup>	100 m	046863	433	527
	≠ x m	046863		



HIGH FLEXIBILITY ELECTRICAL CABLES	↔ L	A (60%)	A (35%)		
				↔ L	
10 mm <sup>2</sup>	100 m	054882	054875	88	92
	20 m	056107	056091		
16 mm <sup>2</sup>	100 m	054905	054899	120	130
	20 m	056121	056114		
25 mm <sup>2</sup>	100 m	054929	054912	164	184
	20 m	056145	056138		
35 mm <sup>2</sup>	100 m	054943	054936	210	240
	100 m	054967	054950	273	320
70 mm <sup>2</sup>	50 m	—	056565	310	380



Pince ampèremétrique  
- Clamp-on ammeter  
- Strommesszange  
400 A 053991  
600 A 053984

## PINCES - Clamps - Klemmen - Pinzas - Garras - Ακροδέκτες - Зажимы - 充电夹

	40 A	60 A	60 A	200 A	300 A	600 A	650 A	700 A	850 A	1000 A	300 A	600 A
I 100%	30 A	60 A	60 A	100 A	200 A	120 A	120 A	120 A	170 A	200 A	-	-
I peak	75 A	150 A	150 A	200 A	300 A	600 A	650 A	700 A	850 A	1000 A	-	-
max	≠ 30 mm	≠ 25 mm	≠ 25 mm	≠ 38 mm	≠ 45 mm	≠ 40 mm	≠ 35 mm	≠ 28 mm	≠ 44 mm	≠ 55 mm	≠ 38 mm	≠ 38 mm
max	2.5 mm <sup>2</sup>	10 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	25 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	70 mm <sup>2</sup>	50 mm <sup>2</sup>	95 mm <sup>2</sup>

## COSSES BATTERIE - Battery Terminal - Polklemmen - Terminales batería - Accupool - Terminais de bateria - Πόλος μπαταρίας - Контакты аккумуляторной - батареи - 电池端子

⊙ 10 mm / 35 mm <sup>2</sup>	⊙ 13 mm / 50 mm <sup>2</sup>	⊙ 16 mm / 70 mm <sup>2</sup>
 x1 054400	 x25 054431 x25 054448	 x25 054332 x25 054349

## COSSES - Cable lugs - Terminal Kabelschuhe - Kabelschuhe

16 mm <sup>2</sup> M10 x10 038219	75 mm <sup>2</sup> M16 x10 038257	25 mm <sup>2</sup> M5 x100 047525
25 mm <sup>2</sup> M10 x10 038226	125 mm <sup>2</sup> M15 x5 038264	35 mm <sup>2</sup> M6 x100 047532
35 mm <sup>2</sup> M14 x10 038233		50 mm <sup>2</sup> M10 x100 047549
50 mm <sup>2</sup> M14 x10 038240		

### NETTOYEUR COSSES / BORNES - Cleaning brush poles / terminals

027572

## CONNECTEURS TEXAS - Dinze connectors - Stecker - Conectores - Schakelears - Conectores

	I A max	mm <sup>2</sup>	mm	Ø mm	Compatibility	Ref.
CFM 25.14	200	10/25	14	9	CM 25.14, CF 25.14	x1 045507
CFM 50.21	300	35/50	21	13	CM 50.21, CF 50.21	x1 045606
CFM 70.21	400	50/70	21	13	CM 70.21	x1 047488
CM 25.14	200	10/25	14	9	CF 25.14	x20 045668
CM 50.21	300	35/50	21	13	CF 50.21	x10 045613
CM 70.21	400	50/70	21	13	CF 70.21	x5 045750
CM 95.24	500	70/95	24	13	CF 95.24	x5 047495
CF 25.14	200	10/25	14	9	CM 25.14	x30 045651
CF 50.21	300	35/50	21	13	CM 50.21	x10 045620
CF 70.24	400	50/70	24	13	CM 70.21	x5 045736
CF 95.24	500	70/95	24	13	CM 95.24	x5 072374

### QUICK CONNECTORS

Ø 10 mm / 50 mm<sup>2</sup>  
I max = 1000 A  
054455

## FUSIBLES - Fuses - Sicherungen - Fusibles - Zekeringen - Fusíveis - Ασφάλειες - Плавкие предохранители - 保险丝

 x5 6.3A 054578 10A 056527	 x10 10A 054530 15A 054493 20A 054509 25A 054516 30A 054523 40A 054554	 Ø10 mm 80 mm x2 100A 054486 100A 054394	 x2 150A 027930 200A 054547 250A 055568 300A 054561	 x2 M5 054646 40A 054622 50A 054622 80A 054653 125A 054585 150A 054639	 x2 M6 071599 40A 071599
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## PROTECTION ANTI-ARC - Anti-arc protection - Lichtbogenschutz - Protección anti-arco - Pieksspanningsbeveiliging - Protecção anti-faísca - Αντι-σπινθηρική προστασία - Защита против дуги - 抗电弧保护

041318

12V x2  
24V

## PORTE-BATTERIE AJUSTABLE - Adjustable battery carrier - Einstellbarer Batteriehalter - Porta-baterias ajustable - Переноска для аккумулятора

058354

100 ~ 180 mm

## PÈSE ACIDE ANTIGEL - Acidimeter (PH Meter) - Säure/Frostschutzmittel-Tester - Acido densímetro anticongelante - Zuurweger - Medidor de PH (ácido) - Μετρητής οξύτητας (PH) - Ацидиметр (pH-метр) - 防冻酸度计

054103

## KIT SOLAIRE DE MAINTIEN DE CHARGE AVEC ACCESSOIRES - Solar powered charger with accessories - Solarpanel zur Ladeerhaltung mit Zubehör - Kit solar de mantenimiento de carga - Солнечная панель для поддержания заряда в наборе с аксессуарами

4.5W

072411

## STATION MULTICHARGE POUR BATTERIES - Multi charge station for batteries - Multi-Ladestation für Starterbatterien

Charge automatique - Automatic charge - Automatischer Ladevorgang

4 x 5A 12V (liquid/gel)  
5 étapes - 5 steps - 5 Schritte  
Pulse/Boost/Egalisation/100%/Floating  
Maintenance/Zusatzhülsekit

10 100 Ah

DHC 54E  
025097

## SAUVEGARDE MÉMOIRE OBD - Memory auto save - Sicherung des Speichers - Salvaguardia memorias - Salvaguardas de memória - Αυτόματη αποθήκευση ρυθμίσεων - Сохранение настроек - 记忆存储器

GYSPACK OBD  
054998  
055001

7Ah INSIDE

Automatic TIMER STOP

OFF

Après chaque utilisation After each use Nach jeder Anwendung

INSIDE

MEMORY SAVER

12V - 7 Ah

OBD

< 4A

< 4A

25 x 18 x 25 cm

3 kg

MADE IN P.R.C.

CABLE OBD - Cable OBD - Kabel für OBD

054202 Fuse 7,5A 1,5 m



**LAMPE BALADEUSE**  
- Hand Lamp  
- Handleuchte

**100-250 lumens (x3)**

**TRIPODE 250 L**  
3 x 1 W COB LED  
3 x 3.6 V  
300 mAh  
AAA rechargeable, Ni-MH, USB charging (6h)  
**operating time**  
High position: 1 h  
Low position: 3 h  
Flashing: 5 h  
-L 260 x 100 x 100 mm  
059955

**400 lumens**

**400 L**  
COB LED  
Li-ion  
Charging time: 8h  
**operating time**  
High position: 2.5 h  
Low position: 5 h  
Top light (1 W): 6 h  
-L 230 x 65 x 40 mm  
059153

**250-600 lumens**

**PRO 600 L**  
COB LED, 80 CRI  
3.7 V - 2200 mAh Li-ion  
micro USB charging (3.5 h)  
**operating time:**  
High position: 1.5 h,  
Mid position: 4.5 h,  
Top light (100 lumens): 10 h  
-L 190 x 56 x 29 mm  
IP 54  
210g  
060883

**200-400 lumens**

**ÉTANCHE 400 L**  
COB LED  
3.7 V - 2000 mAh Li-ion  
USB charging (4/6 h)  
**operating time**  
High position: 2 h  
Mid position: 4 h  
Top light (4 W): 3 h  
-L 285 x 65 x 65 mm  
IP 56  
059948  
Étanche - Waterproof

**LAMPE INSPECTION**  
- Inspection Lamp  
- Inspektionslampen

**100-200 lumens**

**MINI 200 L**  
COB LED, 80 CRI, 6500 K  
3.7 V - 700 mAh Li-ion  
micro USB charging (2.5 h)  
**operating time**  
High position: 1.5 h  
Low position: 4 h  
Top light: 3.5 h  
IP 20  
▲ 76 g, -L 174 x 27.5 x 28 mm  
060852

**100-280 lumens**

**FRONTALE 280 L**  
3 W COB LED  
80 CRI+, 6500 K  
3.7 V - 1500 mAh Li-po  
micro USB charging  
**operating time**  
High position: 2 h  
Low position: 6 h  
IP 65, ▲ 110 g  
-L 78.5 x 47.5 x 42 mm  
060845  
motion detection mode

**0 > 600 lumens**

**PRO 600 L**  
6500 K  
3.7 V - 2600 mAh Li-ion  
**operating time**  
1.5 > 15 h  
-L 380 x 40 x 45 mm  
300 g  
057760  
058309

**LAMPE AMBIANCE 360° - 360° ambient lamp**

**60 > 1000 lumens**

**PORTABLE 1000 L**  
>80 CRI SMD LED  
6500 K  
3.7 V - 5200 mAh Li-ion  
USB charging (4.5h)  
USB power supply  
**operating time** 2 > 27 h  
-L 260 x 75 x 75 mm  
IP 54  
450 g  
059764

**LAMPE SOUS CAPOT**  
- Under bonnet lamp  
- Leuchte für Motorhaube

**300-600 lumens**

**600 L**  
120 COB LED  
3.7 V - 4000 mAh Li-ion  
charging time: 10/12 h  
**operating time**  
High position: 1.5 h  
Low position: 3 h  
1.3 kg  
059962

**250-800 lumens**

**800 L**  
120 COB LED  
3.7 V - 4000 mAh Li-ion  
charging time: 10/12 h  
**operating time**  
High position: 3 h  
Low position: 6 h  
058002  
058316

**PROJECTEUR SUR TRÉPIED**  
- Worklight with tripod  
- Arbeitsleuchte mit Standfuß

**1800 lumens**

**1800 L**  
3x 55 COB LED  
total 165 LED  
1.8 m power cord  
059146

**3000 lumens**

**3000 L**  
35 W COB LED  
2 m power cord  
IP 44  
059979

**4000 lumens**

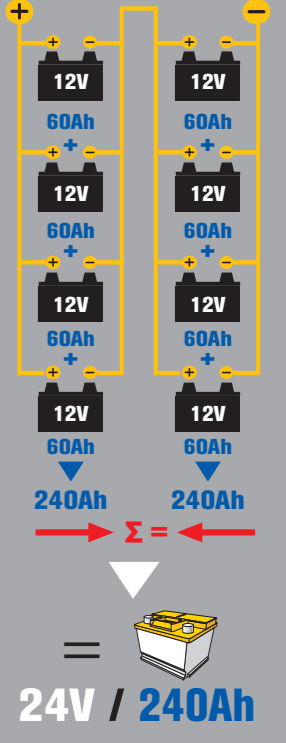
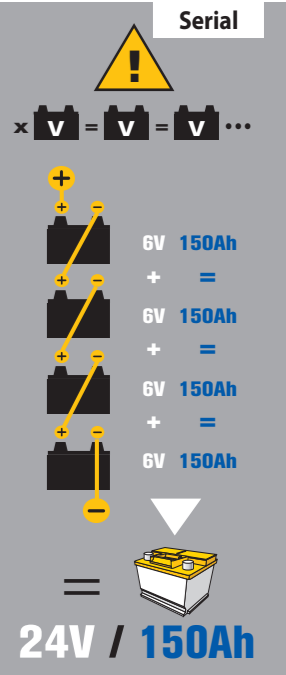
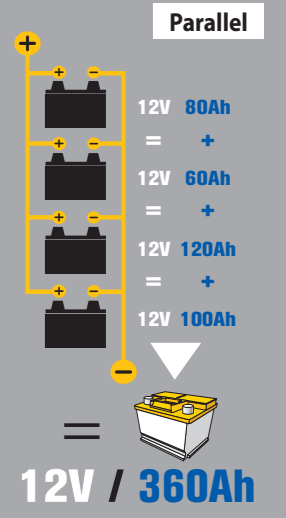
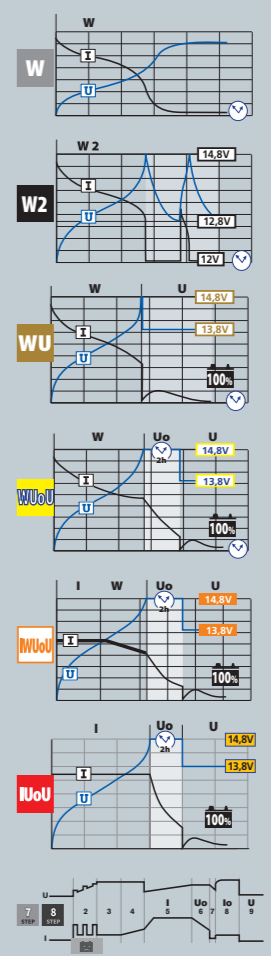
**Lampe sur TRÉPIED 4000 L**  
Worklight with tripod  
3x 20 COB LED,  
total 60 LED  
3 m power cord  
059986

**AUTOMOTIVE BATTERIES**

Batteries de démarrage - Starterbatterien - Baterias de arranque  
- Automotive accu's - Baterias de Automóvel - Motospieler  
огондатов - Пусковые батареи - 汽车启动电池

Curves	LIQUID Calcium / Silver	Start & Stop / AGM / EFB / GEL / Optima	Unattended charge	100% charged	Maintenance	Battery desulphation	Fast Charge	Fast Charge ++
W	✓	-	-	-	-	-	-	-
W2	✓	-	✓	-	-	-	-	-
WU	✓	-	✓	-	✓	-	-	-
WUoU	✓	✓	✓	✓	✓	-	-	-
IWUoU	✓	✓	✓	✓	✓	✓	✓	-
I REGULATED FAST CHARGE IUoU	✓	✓	✓	✓	✓	-	✓	✓
7 STEP GYSFLASH Pb	✓	✓	✓	✓	✓	✓	✓	✓

GYSFLASH Lithium  
8 STEP Li-ion    8 STEP LiFePO<sub>4</sub>    9 STEP Li-ion    9 STEP LiFePO<sub>4</sub>  
**LiFePO<sub>4</sub> / Li-ion / Li-Po / NMC / LCO / MCO / NCA...**



**MARKETING**



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Type	FA1	FA2	SB1
complet - completa - komplett	062429	062443	061149
sans linéaire - without display stand - ohne Regal	062436	062450	062412





INVEST IN THE FUTURE



French manufacturer  
since 1964

2  
0  
2  
3

# Chargers, Boosters & Starters

Charge & entretien des batteries  
Batterieservicegeräte-Katalog  
Caricabatterie, Booster & Avviatore  
Catálogo de Cargadores



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