



FRENCH MANUFACTURER
SINCE 1964



INVEST IN THE FUTURE



Chargers, Boosters & Starters

Catalogue Chargeurs • Batterieservicegeräte-Katalog • Catálogo de Cargadores

2016

www.gys.fr

CHARGERS • BOOSTERS • STARTERS • TESTERS • JUMPER CABLES • ACCESSORIES



A family firm since 1964

Une société familiale depuis 1964
Familienunternehmen seit 1964

7
Companies
Sociétés
Gesellschaften

500+
Employees
Employés
Mitarbeiter

110+
Export markets
Pays distributeurs
Länder

www.gys.fr



3 catalogues

3 catalogues
3 Kataloge



Welding & cutting
Soudure & coupage
Schweisstechnik



Chargers, boosters & starters
Chargeurs, démarreurs
Batterieservicegeräte



Carbody repair
Réparation carrosserie automobile
Karosseriereparatur-Systeme

An international presence

Une présence mondiale
Internationale Präsenz

FR Présent dans plus de 100 pays, GYS s'appuie sur son siège social en France et sur ses 5 filiales pour étendre chaque jour son rayonnement sur le monde. Portés par une équipe dynamique et une stratégie de croissance ambitieuse, nous avons pour objectif de consolider la richesse de nos collaborations internationales et conquérir en permanence de nouveaux territoires.

EN Present in over 100 countries, GYS have their head office in France and its five subsidiaries to expand its international influence. Carried by a dynamic team and an ambitious development strategy, we aim to reinforce our international collaborations and constantly conquer new territories.

DE Täglich verlassen über 1000 GYS Geräte, Maschinen und Zubehör das Werk in Laval, um in mehr als 100 Ländern zuverlässig zu funktionieren. Täglich stehen wir mit unseren Handelspartnern in allen Teilen der Welt in engem Kontakt. Mit unseren 5 Niederlassungen sind wir ganz nahe bei unseren Kunden. Und wir arbeiten weiter am Ausbau unserer internationalen Präsenz.



GYS Germany
Aachen



GYS U.K.
Rugby



GYS China
Shanghai



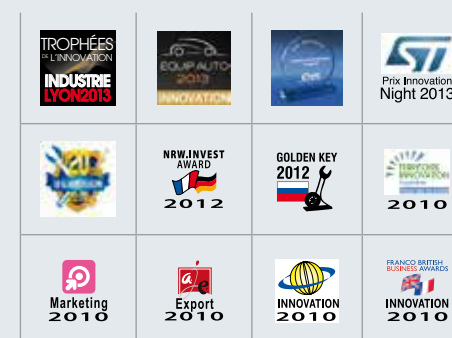
GYS India
Coimbatore



GYS Italia
Mestre-Venezia

An innovative group

Un groupe innovant
Innovative Unternehmensgruppe



Awards

Prestigious partners

Des partenaires prestigieux
Renommierter Partner



Certifications

A high tech R&D department

Un centre R&D de pointe • Hochmodern F&E Zentrum

FR Regroupant plus de 40 experts dans de multiples spécialités (électronique, mécanique, etc.), le département R&D est porteur de l'innovation permanente de produits de haute technicité. En 2014, GYS consacre un investissement important dans l'ouverture d'un nouveau centre d'études pour permettre à nos chercheurs d'élaborer et concevoir des systèmes novateurs à l'aide d'outils de pointe. Les compétences de nos ingénieurs conjuguées à une bonne écoute client permettent de proposer en permanence de nouveaux produits répondant aux besoins de nos utilisateurs.

EN With over 40 expert engineers in multiple specialities (electronic, mechanical, etc.), the R&D department delivers continuous innovation for high tech products. In 2014, GYS established an important investment by opening a new research centre to provide the best resources for our researchers to continue to develop innovative solutions and improvements. By listening to our customers and combining this information with our engineers' expertise, GYS are able to constantly offer new products to meet user demands.

DE Wir beschäftigen in unserer F+E Abteilung mehr als 40 Ingenieure. Die Nähe zu unseren Kunden und das Verständnis für deren Aufgabenstellung bildet die Grundlage für die innovative Weiterentwicklung

unseres Produktportfolios. Im Sommer 2014 bezogen wir das neue GYS F+E Center, das wir mit der neuesten Messtechnik und hochmodernen Laboratorien ausstatteten. Wir analysieren z.B. mit Highspeed-Kameratechnik Schweißverhalten und reproduzieren in einer Klimakammer extreme Wetterverhältnisse und die elektromagnetische Charakteristik unserer Maschinen in einem völlig von äußerer Strahlung abgeschirmten Raum.



GYS Academy

Académie • Akademie

FR Les centres de formation GYS, situés en France, en Allemagne et en Angleterre sont à votre service pour vous proposer des formations sur nos produits. Nos experts sont à votre écoute et mettent à votre disposition, leurs compétences et leurs connaissances les plus pointues.

EN The GYS training facilities, located in France, Germany and UK are at your service and offer training courses on GYS products. Our product experts are here to listen to your questions and requirements and to share their most advance knowledge.

DE Unsere GYS-Schulungszentren in Frankreich, Deutschland und England, stehen Ihnen für Produktschulungen zur Verfügung. Unsere kompetenten Experten sind für Sie da und unterstützen Sie mit ihren Fachkenntnissen.



100% in-house manufacturing

Une usine 100% intégrée • 100% integrierte Produktion

FR Visiter notre site de production est un parcours surprenant qui traverse une incroyable variété de métiers (électronique, mécanique, transformateur, filerie, tôlerie, peinture...). Notre philosophie repose sur l'intégration complète de notre processus de production pour en maîtriser les moindres détails. Cette industrialisation dans des ateliers certifiés ISO 9001 offre à nos clients une grande flexibilité et une réactivité accrue.

L'investissement et l'amélioration continue de la performance de cet outil de production sont notre raison de vivre, car nous considérons que celle-ci est la garantie de notre compétitivité de demain.

EN Visiting our manufacturing site is a surprising journey which extends through an incredibly wide range of functions (electronic, mechanical, transformer, wiring, sheet metal, painting). Our philosophy is based on the complete integration of our production process to control every detail.

The factory has ISO 9001 certification and is a flexible resource enabling us to be very responsive to customer needs. The investment and continuous improvement in performance of this production facility are the back bone for our existence, we consider it the guarantee for our future competitiveness.

DE Besucher unserer Fertigung sind beeindruckt von der unglaublichen Produktionstiefe. Viele verschiedene Gewerke sind miteinander verbunden: Elektronik, mechanische Fertigung, Trafo-Wickelei, Kabelkonfektionierung, Blechschlosserei und eine zentralgesteuerte Pulverbeschichtungsanlage bis hin zum individuellen Siebdruckverfahren. Unsere Philosophie beruht auf Unabhängigkeit und eigener Qualitätssicherung. Wir wollen jede Phase des Fertigungsprozesses selbst definieren und kontrollieren und sind nach ISO 9001-zertifiziert.

CHARGERS Consumer/Tourism

TRADITIONAL & AUTOMATIC 6/7
INVERTER HF 8/11

CHARGERS Professional

TRADITIONAL 12
AUTOMATIC 12/13
SMART AUTOMATIC 14/15
INVERTER HF & BSU 16/17

STARTERS

TRADITIONAL & AUTOMATIC 18/21
AUTOMATIC 22/23

BOOSTERS

PLASTIC 24/25
PROFESSIONAL 26/28
LITHIUM 30/31
BATTERYLESS 32

JUMPER CABLES

CONSUMER & PRO 33

TESTERS 34/35
MEMORY Auto save 29
POWER INVERTER 36
ACCESSORIES 37
Technologies 39



Electronics
- Électronique
- Elektronik



Paintshop
- Peinture
- Lackieranlage



Mechanical engineering
- Mécanique
- CNC-Bearbeitung



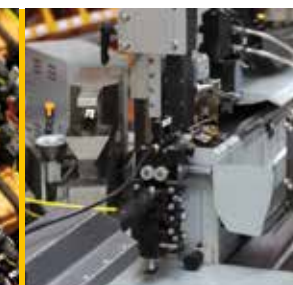
Metal work
- Tôlerie
- Blechbearbeitung



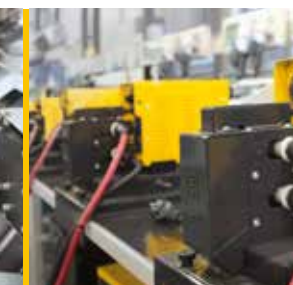
Ink printing
- Sérigraphie
- Siebdruck



Transformers
- Transformateurs
- Transformatoren



Cable work
- Filerie
- Kabelkonfektionierung



Assembly
- Montage/tests
- Montage



Logistics
- Logistique
- Logistik

CHARGERS TRADITIONAL



2 A 12V
ENERGY 123



023192
025493

3 A 12V
ENERGY 124



023215
025141

4 A 12V
ENERGY 126



023222
025165



CHARGERS AUTOMATIC



PATENTS REGISTERED NUMBERS
001652090-0001
EUROPEAN TRADEMARK & DESIGN
TCB 60/90/120

2/4 A 12V
TCB 60



023253
025189

2/5,5 A 12V
TCB 90



023260
025202

3,5/7 A 12V
TCB 120



023284
025240



Fuse X10
10A
054530
15A
054493

2 in 1
=
CHARGE
+
TEST

					CHARGE						Recommendation						CHARGER + TESTER	Bzz CONTROL
						Efficace / RMS	Moyen / Average (EN 60335)											
50 / 60 Hz		230V	55 W	12V	—	3,3 A	2 A	10 A	19 x 15 x 9 cm	1,3 kg	ENERGY 123	12V	Essence • Petrol • Benzin		Diesel		—	—
ENERGY 123	023192 : 025493	230V	55 W	12V	—	3,3 A	2 A	10 A	19 x 15 x 9 cm	1,3 kg	ENERGY 123	12V	8 > 30 Ah				—	—
ENERGY 124	023215 : 025141	230V	70W	12V	—	4,5 A	3 A	10 A	11,5 x 16 x 22 cm	2,2 kg	ENERGY 124	12V		10 > 45 Ah			—	—
ENERGY 126	023222 : 025165	230V	90W	12V	—	6 A	4 A	10 A	11,5 x 16 x 22 cm	2,2 kg	ENERGY 126	12V		15 > 60 Ah			—	—
TCB 60 automatic	023253 : 025189	230V	85W	12V	2	6 A	2 - 4 A	10 A	12 x 17 x 29 cm	2,7 kg	TCB 60 automatic	12V	15 > 60 Ah				OK	OK
TCB 90 automatic	023260 : 025202	230V	120W	12V	2	8 A	2 - 5,5 A	15 A	12 x 17 x 29 cm	3,4 kg	TCB 90 automatic	12V	15 > 90 Ah				OK	OK
TCB 120 automatic	023284 : 025240	230V	150W	12V	2	10,5 A	3,5 - 7 A	15 A	12 x 17 x 29 cm	3,2 kg	TCB 120 automatic	12V		30 > 120 Ah			OK	OK

CHARGERS HF • INVERTER

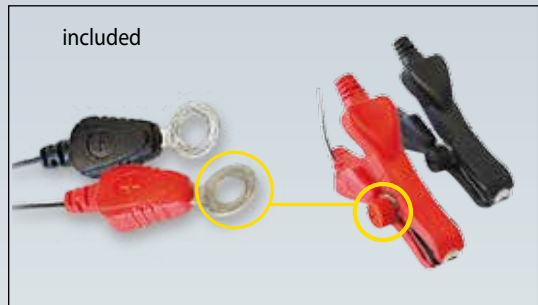
0,75 A 6/12V
GYPECH 750

024977



p. 39

GO > 7,5V (12V)
> 3,75V (6V)



3,8 A 12V
GYPECH 3800

024939



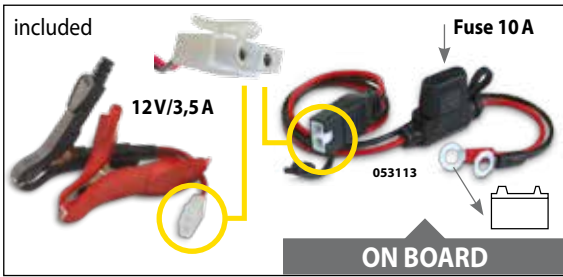
p. 39

COLD CHARGE
< 0°C > 0°C

GO > 7,5V



OPTION
053137
Kit allume cigare /
Cigarette lighter adapter /
Adapterkit für Zigarettenanzünder



3,5/7 A 12/24V
GYPECH 7000

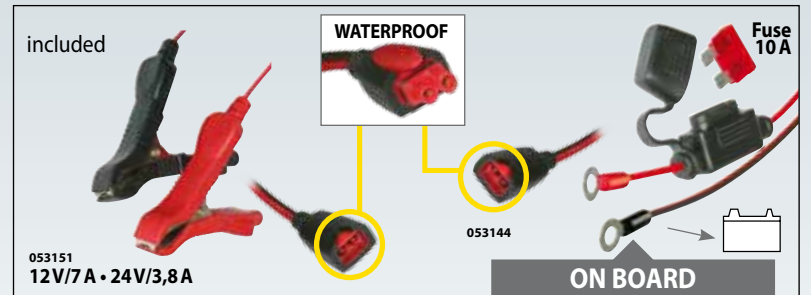
024953



p. 39

COLD CHARGE
< 0°C > 0°C

GO > 16V (24V)
> 4,5V (12V)



Fuse X10
(for accessories)10A
054530

Accessories / TVA 054530										Recommendation									
			CHARGE 														IP		
				Efficace / RMS	Moyen / Average (EN 60335)													Recover	Essence • Petrol • Benzin
GYPECH 750 024977	230V	16,5W	6/12V	0,75 A	0,75 A	—	—	12 x 16 x 24 cm	0,3 kg	1,2 > 20 Ah						—	IP 60		
GYPECH 3800 024939	230V	60W	12V	0,8 - 3,8 A	0,8 - 3,8 A	—	10 A	10 x 27,5 x 26 cm	0,7 kg	Charge 1,2 > 60 Ah (Maintenance 1,2 > 120 Ah)						—	IP 65		
GYPECH 7000 024953	230V	160W	12 V	7 A	7 A	•	10 A	10 x 31 x 29 cm	1,3 kg	12V : Charge 14 > 130 Ah (Maintenance 14 > 230 Ah)				•	IP 65				
			24 V	3,5 A	3,5 A					24V : Charge 14 > 60 Ah (Maintenance 14 > 120 Ah)									

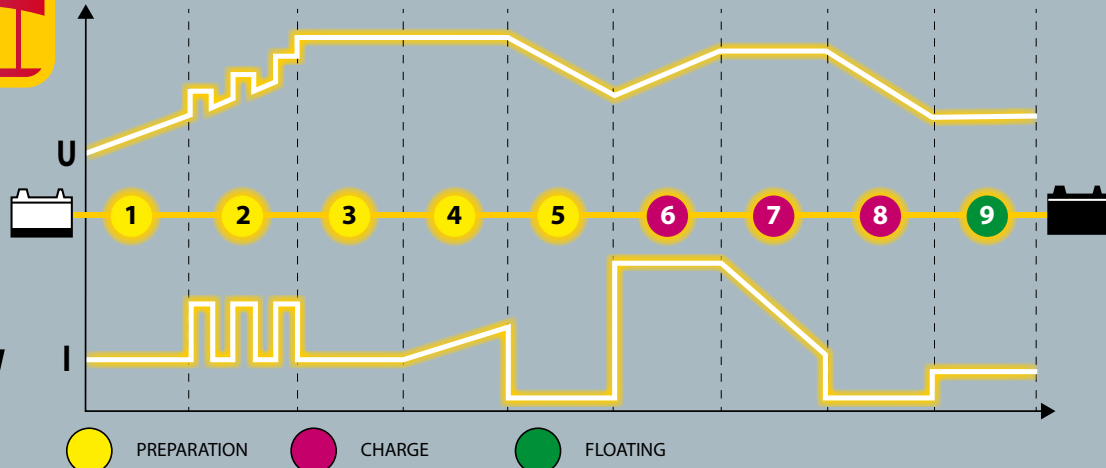


BEST QUALITY!

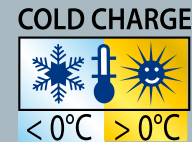
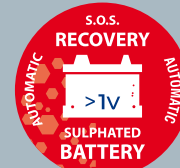


Courbe de charge pour batterie de démarrage / Charging curve for starter batteries

GO > 1V



ALL BATTERIES



029156
024793



029187
024786



GYSflash 4A & 7A : included



OPTION Gysflash 4A & 7A



Cables & Battery Status Indicator For Gysflash 4A & 7A



Extension Cables 2,5m For Gysflash 4A & 7A 029057

PATENTS REGISTERED NUMBERS 002280006 & 002279927 EUROPEAN TRADEMARK & DESIGN		50/60 Hz			Start mini	Moyen / Average (EN 60335)	Boost	Equalize/Absorption	Floating			Recommendation		IP	SOS RECOVERY
GYSFLASH 4A 029156 024793		230V AC +/- 15 %	90W	12V	1V	0,8 - 3,6 A	4A	14,6V (T > 0°)	15V (T < 0°)	13,6V	36 x 18,5 x 7 cm	0,85 kg	On board/Embarqué 1,2 > 70 Ah (Maintenance 1,2 > 130 Ah)	IP 65	Automatic
GYSFLASH 7A 029187 024786		230V AC +/- 15 %	160W	12V	1V	0,8 - 5 A	7A	14,6V (T > 0°)	15V (T < 0°)	13,6V	38,5 x 20,5 x 7 cm	1,06 kg	On board/Embarqué 1,2 > 130 Ah (Maintenance 1,2 > 230 Ah)	IP 65	Automatic

CHARGERS TRADITIONAL



9 A

12/24V

CT 160

024106

025325



12 A

12/24V

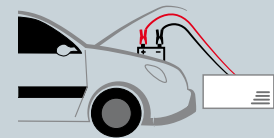
CT 210

024113

025349



CHARGERS AUTOMATIC



Protection for on-board electronics

5 A

6/12V

WATTMATIC 100

024823

025417



9 A

6/12V

WATTMATIC 140

025608

025622



NEW
03/2016



10 A

6/12V

WATTMATIC 150

024847

025387



10 A

6/12V

WATTMATIC 170

025615

025639



NEW
03/2016



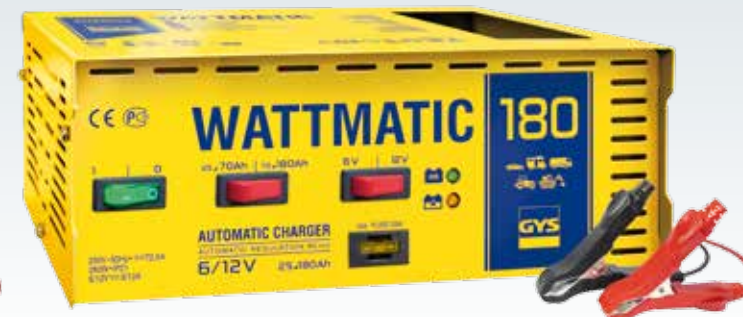
12 A

6/12V

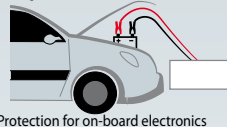
WATTMATIC 180

024861

025400



CHARGERS AUTOMATIC & MANUAL



Protection for on-board electronics



10 A

12/24V

CA 150

024434



25 A

12/24V

CA 360

023185



				CHARGE						Fuse		
					Reg	Efficace / RMS	Moyen / Average (EN 60335) Reg 1	Boost 1	boost 2			
CT 160	024106	025325	230V, 50 / 60 Hz	190W	12/24V	12V> 24V>	2 13,5A 7A	9A 5A	—	15A	20,5 x 30 x 13,5 cm	3,9 kg
CT 210	024113	025349	230V, 50 / 60 Hz	260W	12/24V	12V> 24V>	2 18A 8A	12A 6A	—	20A	22,5 x 33,5 x 14,5 cm	5,2 kg
CA 150 automatic	024434		230V, 50 / 60 Hz	500W	12/24V	12/24V	2 18A 8A	10A —	—	25A	33 x 26 x 14 cm	6 kg
CA 360 automatic	023185		230V, 50 / 60 Hz	920W	12/24V	12/24V	3 37A 7A	15A 25A	—	50A	44 x 31 x 23 cm	14 kg

Recommendation								
CT 160	12V 24V	(12V) 25 > 160 Ah (24V) 15 > 90 Ah						
CT 210	12V 24V	(12V) 35 > 210 Ah (24V) 20 > 100 Ah						
CA 150 automatic	12V 24V	35 > 150 Ah						
CA 360 automatic	12V 24V	40 > 350 Ah						

					CHARGE				Fuse		
						Reg	Efficace / RMS	Moyen / Average (EN 60335) Reg 1 Reg 2			
WATTMATIC 100 automatic	024823	025417	230V, 50 Hz	170W	6/12V	2	11,4 A	3 A 5 A	10 A	24 x 26 x 13 cm	3.8 kg
WATTMATIC 140 automatic	025608	025622	230V, 50 Hz	230W	6/12V	2	16,5 A	5 A 9 A (boost)	15 A	33 x 22 x 13 cm	4.8 kg
WATTMATIC 150 automatic	024847	025387	230V, 50 Hz	220W	6/12V	2	15 A	5 A 10 A	20 A	36 x 22 x 14 cm	6.2 kg
WATTMATIC 170 automatic	025615	025639	230V, 50 Hz	280W	6/12V	2	18,8 A	6,5 A 10 A (boost)	20 A	33 x 22 x 13 cm	5 kg
WATTMATIC 180 automatic	024861	025400	230V, 50 Hz	260W	6/12V	2	18 A	6 A 12 A	25 A	36 x 22 x 14 cm	6.3 kg

Recommendation								
WATTMATIC 100 automatic	6V 12V	15 > 100 Ah						
WATTMATIC 140 automatic	6V 12V	20 > 150 Ah						
WATTMATIC 150 automatic	6V 12V	20 > 150 Ah						
WATTMATIC 170 automatic	6V 12V	25 > 180 Ah						
WATTMATIC 180 automatic	6V 12V	25 > 180 Ah						



Fuse X10	
10A 054530 (WATTMATIC 100)	
15A 054493 (CT 160, WATTMATIC 140)	
20A 054509 (CT 210, WATTMATIC 150 & 170)	
25A 054516 (CA 150, WATTMATIC 180)	
50A 054622 (CA 360)	

7 A 6/12V
BATIUM 7/12

024496
024557



7 A 6/12/24V
BATIUM 7/24

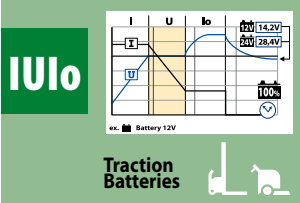
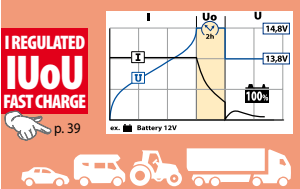
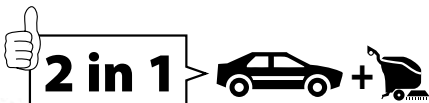
024502
024625



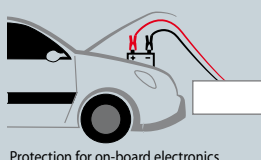
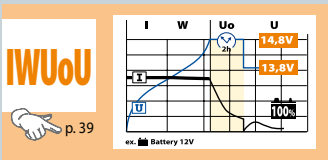
25 A 6/12/24V
BATIUM 25/24



Specific charge
Traction batteries



SMART
CHARGERS
AUTOMATIC



15 A 6/12V
BATIUM 15/12

024519
024632



15 A 6/12/24V
BATIUM 15/24

024526
024588



Fuse X10
15A (BATIUM 7/12 & 7/24)
054493

30A (BATIUM 15/12 & 15/24)
054523



				CHARGE 										
						Efficace / RMS	Moyen / Average (EN 60335)							
							Reg 1	Reg 2	Reg 3					boost
BATIUM 7/12	024496  024557	230V	105W	6/12V	2	11 A	3 A	—	—	7 A	15 A	21 x 34 x 13 cm	4,8 kg	—
BATIUM 7/24	024502  024625	230V	210W	6/12/24V	2	11 A	3 A	—	—	7 A	15 A	21 x 34 x 13 cm	5,7 kg	—
BATIUM 15/12	024519  024632	230V	225W	6/12V	3	22 A	7 A	10 A	—	15 A	30 A	21 x 36 x 14 cm	5,9 kg	•
BATIUM 15/24	024526  024588	230V	450W	6/12/24V	3	22 A	7 A	10 A	—	15 A	30 A	21 x 36 x 14 cm	8,5 kg	•
BATIUM 25/24	024533  024618	230V	1150 W	6/12/24V	3	37 A	7 A	15 A	25 A	—	—	28 x 42 x 23 cm	13,4 kg	•

Recommendation														
BATIUM 7/12	6V 12V	—	—	—	—	—	—	—	—	—	—	—	—	—
BATIUM 7/24	6V 12V 24V	—	—	—	—	—	—	—	—	—	—	—	—	—
BATIUM 15/12	6V 12V	—	—	—	—	—	—	—	—	—	—	—	—	—
BATIUM 15/24	6V 12V 24V	—	—	—	—	—	—	—	—	—	—	—	—	—
BATIUM 25/24	6V 12V 24V	35 > 180 Ah	—	—	—	—	—	—	—	—	—	—	—	—

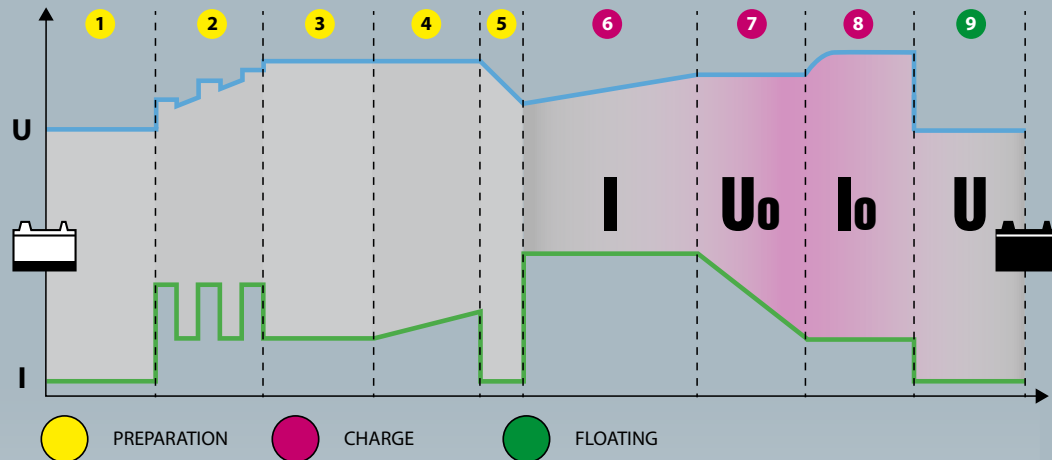


GO > 2V

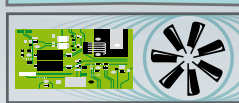


ALL BATTERIES

Courbe de charge pour batterie de démarrage / Charging curve for starter batteries



FAN LESS TECHNOLOGY

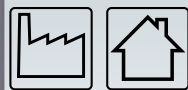


AUTO RESTART



HIGH EFFICIENCY Up to 15% Energy Saving 93%

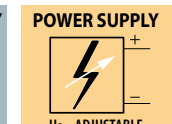
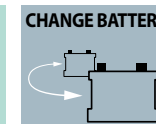
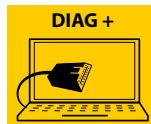
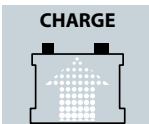
EMC class B



Select mode
- Charge
- Diag / Diag +
- Showroom
- Change battery
- Power supply
- Configuration

Select parameters
- Voltage
- Capacity
- Battery type
- Language
...

Adjust values
- V
- Ah
- Liquid / Gel / Easy mode / Expert mode
...



NEW 01/2016

Tablette - Wall support
Halterung
055513



Chariot / Trolley / Fahrwagen



Fuse (x1)
Gysflash 30HF : 40 A
054646
Gysflash 40/50HF : 80 A
054653
Gysflash 100HF : 125 A
054585



Showroom Connect Ø M6

				START MINI	I max	40°C/230V		TRACTION BATTERIES			
GYSFLASH 30.12HF 029224	230V	12V	500W	2V	30 A	30 A @ 100 %	10>400Ah	—	25,5 x 23 x 10,5 cm	3,8 kg	●
GYSFLASH 30.24HF 029231	230V	6V 12V 24V	500W	2V	30 A 30 A 15 A	30 A @ 100 % 30 A @ 100 % 15 A @ 100 %	10>400Ah	●	25,5 x 23 x 10,5 cm	3,8 kg	●
GYSFLASH 40.12FV 029064	85>265V	12V	750W	2V	40 A	40 A @ 100 %	10>500Ah	—	30 x 29 x 10,5 cm	6 kg	●
GYSFLASH 50.12HF 029088	230V	12V	1500W	2V	50 A	40 A @ 100 %	10>600Ah	—	30 x 29,2 x 10,5 cm	6 kg	●
GYSFLASH 50.24HF 029095	230V	6V 12V 24V	1500W	2V	50 A	45 A @ 100 % 40 A @ 100 % 35 A @ 100 %	10>600Ah	●	30 x 29,2 x 10,5 cm	6 kg	●
GYSFLASH 100.12HF 029071	230V	12V	1500W	2V	100 A	66 A @ 100 %	10>1200Ah	—	32 x 29,2 x 10,5 cm	6,1 kg	●

CHARGERS & BSU (BATTERY SUPORT UNITS)

30 A 12 V PFC
GYSFLASH 30.12 HF

029224

30 A 6/12/24V PFC
GYSFLASH 30.24 HF

029231

40 A 12 V FV PFC
GYSFLASH 40.12 FV

029064

50 A 12 V PFC
GYSFLASH 50.12 HF

029088

50 A 6/12/24V PFC
GYSFLASH 50.24 HF

029095



1 044 40004

100 A 12 V PFC
GYSFLASH 100.12 HF

029071



17

HF CHARGERS & BSU

10,5 cm

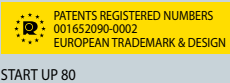
10,5 cm

10,5 cm

10,5 cm

MADE IN FRANCE

CHARGER
AUTOMATIC
& STARTER



9/17 A 12V
START UP 80

024922
025127



3 in 1
=
CHARGE
+
TEST
+
START

CHARGER
& STARTER



11 A 12V
START 200

025530



2 in 1
=
CHARGE
+
BOOST / START

8/10 A 12/24V
START 300

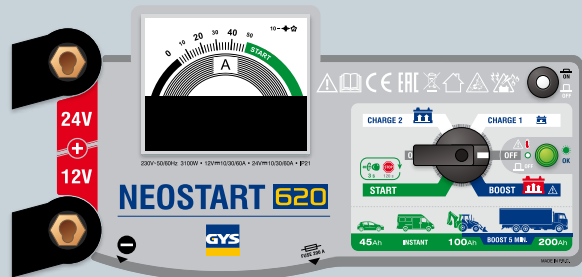
025547



Fuses 50 A x 2 (Start 200)
054622
Fuses 80 A x 2 (Start 300)
054653

			CHARGE W	START kW	CHARGE					START				Recommendation						CHARGER + TESTER	 Bzz				
						Efficace / RMS	Moyen / Average (EN 60335)	Boost		1 V/C	0 V/C														
START UP 80 automatic	024922		025127	230V	12V	350	1	2	13,5-25 A	9 A	17 A	40>70 Ah	50 A	80 A	—	START UP 80 automatic		35 > 50 Ah		—		OK	OK	12 x 18 x 32 cm	4,4 kg
START 200	025530			230V	12V	390	1,4	3	15-25 A	11 A	18 A	53>240 Ah	80 A	120 A	50 A	START 200		35 > 40 Ah		40> 80 Ah		—	—	37 x 26 x 18 cm	8,6 kg
START 300	025547			230V	12V	800	3,6	3	13-36 A	10 A	23 A	42>300 Ah	100 A	168 A	80 A	START 300	 	35 > 50 Ah	50 > 90 Ah	—	—	40 x 33 x 23 cm	13,8 kg		
					24V	1200	3,6			8 A	17 A	38>224 Ah													

TRADITIONAL
STARTERS
& CHARGERS



25 A 12/24V
NEOSTART 320

025301
025509

45 A 12/24V
NEOSTART 420

025295
025479

60 A 12/24V
NEOSTART 620

025288
025486



PRODUCT LINE

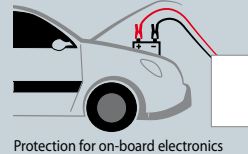
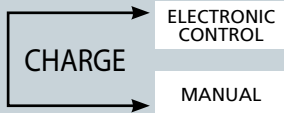


Fuses 150 A x 2 (Neostart 320)
054639



Fuses 200 A x 2 (Neostart 420 & 620)
054547

AUTOMATIC
STARTERS
& CHARGERS



Protection for on-board electronics



70 A 12/24V
GYSTART 1224 T

025394

400 V TRI



NEW
DESIGN
2016

AUTOMATIC CHARGE

ELECTRONIC PROTECTION

POWER CONTROL



**OVER
PROTECTION
VOLTAGE**
**AUTOMATIC
CONTROL**

included

TRI
400V
3 ph

Fuses 200 A x 2 (Gystart 1224 T)
054547



			50/60 Hz			CHARGE	START	CHARGE						START		
									Efficace / RMS	Moyen / Average (EN 60335)	Boost	Automatic	pos. Manual		1V/C	0V/C
NEOSTART 320	025301 025509	230V	13 A	12/24V	0,8	6,5		3	40 A	10 A 9 A	40 A 30 A	—	•	20 > 700 Ah	160 A	270 A
NEOSTART 420	025295 025479	230V	16 A	12/24V	1,7	9		3	70 A	20 A	40 A	—	•	20 > 1000 Ah	300 A	420 A
NEOSTART 620	025288 025486	230V	16 A	12/24V	2	10		3	90 A	30 A	60 A	—	•	20 > 1350 Ah	360 A	620 A
GYSTART 1224 T	025394	400V (TRI)	16 A	12/24V	2,5	20		3	80 A	70 A	—	•	•	65 > 1350 Ah	780 A	1200 A

Recommendation	50 Ah > > > > 100 Ah > > > > 150 Ah > > > 200 Ah > > 300 Ah											
NEOSTART 320											41 x 30 x 21 cm	15,6 kg
NEOSTART 420											47 x 32 x 27 cm	20,5 kg
NEOSTART 620											47 x 32 x 27 cm	24 kg
GYSTART 1224 T											42,5 x 34,5 x 71 cm	54,5 kg

instant
Precharge
(=10 min)

MADE
IN FRANCE

MADE IN
GYS CHINA

AUTOMATIC STARTERS & CHARGERS



AUTOMATIC CHARGE = Batium

p. 39



AUTOMATIC RECOVERY



ALL BATTERIES



AUTOMATIC CONTROL



AUTOMATIC START



GO >1V



UNIVERSAL MODE (autoselection)





AUTOMATIC CHARGE = Batium

p. 39



AUTOMATIC RECOVERY



ALL BATTERIES



AUTOMATIC CONTROL



AUTOMATIC START



GO >1V



UNIVERSAL MODE (autoselection)



TEST ALTERNATOR

TIMER

TEST ALTERNATOR

TIMER

TEST ALTERNATOR

TIMER

TEST ALTERNATOR

TIMER

35/50 mm²



3 in 1
CHARGER,
STARTER & DIAG

TEST ALTERNATOR

TIMER

POWER SUPPLY
DIAG+ 60A
U2 adjustable
12V > 15V



25 A

12/24V

STARTIUM 330E

40 A

12/24V

STARTIUM 480E

45 A

12/24V

STARTIUM 680E

50 A

12/24V

STARTIUM 980E

60 A

12V

DIAG STARTIUM 60-12

60 A

6/12/24V

DIAG STARTIUM 60-24

026469

026483
025578

026490
025585

026506

026513

026520
025592



AUTOMATIC STARTERS

AUTOMATIC STARTERS + DIAG

AUTOMATIC STARTERS														AUTOMATIC STARTERS + DIAG																
 Fuses 200 A x 2 (480E, 680E, Diag. 60-12, 60-24) 054547 Fuses 250 A x 2 (980E) 055568	 50/60Hz			CHARGE kW	START kW	CHARGE 					START 			DIAG	 Recommendation		50 Ah > > > >				100 Ah > > > >				150 Ah > >		200 Ah			
							Efficace / RMS	Moyen / Average (EN 60335)	Boost	Automatic	 min > max	1V/C	0V/C				AUTO START													
STARTIUM 330E	026469	230V	16 A	12/24V	0,8	6,5	4	40 A	25 A	—	•	12 V : 20 > 370 Ah 24 V : 20 > 300 Ah	165 A 130 A	270 A 210 A	•	—												43 x 26 x 26 cm	15 kg	
STARTIUM 480E	026483	230V	16 A	12/24V	1,7	9	4	65 A	30 A	40 A	•	12 V : 20 > 600 Ah 24 V : 20 > 450 Ah	280 A 210 A	390 A 290 A	•	—												31 x 48 x 80 cm	26 kg	
STARTIUM 680E	026490	230V	16 A	12/24V	2	10	4	75 A	30 A	45 A	•	12 V : 20 > 675 Ah 24 V : 20 > 525 Ah	380 A 270 A	550 A 380 A	•	—												31 x 48 x 80 cm	30 kg	
STARTIUM 980E	026506	230V	16 A	12/24V	2	12	4	80 A	40 A	50 A	•	12 V : 20 > 750 Ah 24 V : 20 > 525 Ah	500 A 400 A	720 A 560 A	•	—												31 x 48 x 80 cm	36 kg	
DIAG STARTIUM 60-12	026513	230V	16 A	12V	2	10	4	95 A	60 A	—	•	12 V : 20 > 900 Ah 6 V : 20 > 900 Ah	310 A —	440 A —	•	•												48 x 35 x 90 cm	34 kg	
DIAG STARTIUM 60-24	026520	230V	16 A	6/12/24V	2	10	4	95 A 65 A	60 A 40 A	—	• •	12 V : 20 > 900 Ah 24 V : 20 > 525 Ah	300 A 280 A	430 A 410 A	•	•												48 x 35 x 90 cm	34 kg	

BOOSTERS + POWER SUPPLY

WU
p. 39

Floating Process
Charge 100%

1 000 A 12V
GYSPACK ONE

025073

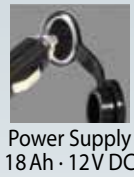
1V/C 300 A



1 250 A 12V **1V/C** 480 A
GYSPACK AUTO/ GYSPACK 400

026230

025455
025516



1 250 A 12V **1V/C** 480 A
GYSPACK AIR

026322

025431



+ Compressor
Air Kit included
4 bars

Isolated clamps
500 A
1,1 m
ø 25 mm²



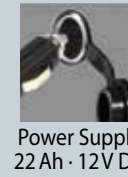
Après chaque utilisation
After each use
Nach jeder Anwendung

GYSPACK ONE
GYSPACK AUTO
GYSPACK 400
GYSPACK AIR
GYSPACK PRO
included
AUTOMATIC CHARGER
Power in 230V / 12V
054677
054660

1 750 A 12V **1V/C** 600 A
GYSPACK PRO

026155
025523

WU
p. 39



AUTOMATIC CHARGER
Power in 12V
included

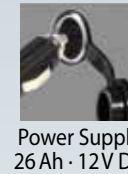
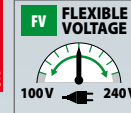
Isolated clamps
500 A
1,1 m
ø 25 mm²



2 500 A 12V **1V/C** 750 A
GYSPACK 750

026179
026353

1 REGULATED IVOU FAST CHARGE
p. 39



AUTOMATIC CHARGER
Power in 12V
included

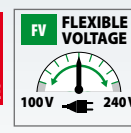
Isolated clamps
600 A
1,3 m
ø 25 mm²



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

025448
026339

1 REGULATED IVOU FAST CHARGE
p. 39



AUTOMATIC CHARGER
Power in 12V
included

Isolated clamps
600 A
1,8 m
ø 25 mm²



OPTION
MEMORY AUTO SAVE CABLE OBD 1,5 m
Fuse 7,5 A
054202
for GYSPACK AUTO, GYSPACK 400, GYSPACK AIR, GYSPACK PRO, GYSPACK 750, STARTPACK TRUCK

included GYSPACK 750, STARTPACK TRUCK
AUTOMATIC CHARGER
Power in 230V / 12V
054684
054691

Fuses 200 A x2
GYSPACK 750
054547
Fuse 300 A x2
STARTPACK TRUCK
054561



Après chaque utilisation
After each use
Nach jeder Anwendung

		12V	START	ON	TEST	OK							
		Inside	1V/C	Cranking CC	Peak Battery								
GYSPACK ONE	025073	12 Ah	300 A	600 A	1 000 A	—	—	—	—	EXTERNAL 12V DC	•	24 x 17 x 28,5 cm	5,8 kg
GYSPACK AUTO/400	026230	18 Ah	480 A	900 A	1 250 A	—	—	—	→ 12V DC	EXTERNAL 12V DC	•	33 x 14 x 35 cm	7 kg
GYSPACK AIR	026322 025431	18 Ah	480 A	900 A	1 250 A	•	•	4 bars	→ 12V DC	EXTERNAL 12V DC	•	35,5 x 19,5 x 43 cm	10 kg

		12V	START	ON	TEST	OK							
		Inside	1V/C	Cranking CC	Peak Battery								
GYSPACK PRO	026155	22 Ah	12V	600 A	1 100 A	1 750 A	•	•	—	→ 12V DC	EXTERNAL 12V DC	•	34 x 20 x 43 cm
GYSPACK 750	026179 026353	26 Ah	12V	750 A	1 450 A	2 500 A	•	•	2 x 200 A	→ 12V DC	EXTERNAL 12V/2 A DC	•	36 x 20 x 43 cm
STARTPACK TRUCK	025448 026339	2 x 22 Ah	12V	750 A	1 450 A	3 200 A	•	•	1 x 300 A	→ 12V DC	EXTERNAL 12V/2 A DC	—	38,9 x 22,5 x 50 cm

BOOSTERS

CAR + TRUCK



1 800 A 12V **1V/C** 640 A
GYSPACK 650

026254



3 100 A 12V **1V/C** 830 A
GYSPACK 810

026278



3 600 A 12V **1V/C** 900 A
1 800 A 24V ★ **1V/C** 700 A
STARTPACK 12.24

026285



6 200 A 12V **1V/C** 1300 A
3 100 A 24V ★★★ **1V/C** 1200 A
STARTPACK PRO 12.24

026346



Fuses 200 A x 2
054547



Après chaque utilisation
After each use
Nach jeder Anwendung



		12V	START				CHARGER INSIDE	Protection			Power out		Fuse	Fuse	Cable	Weight
			Inside	1V/C	Cranking CC	Peak Battery		ON	OFF	Memory	12V DC	24V DC				
GYSPACK 650	026254	16 Ah	12V	640 A	1200 A	1800 A	•	3 A	•	•	→ 12V DC	—	15 A	200 A	2 x 1,4 m ø 25 mm ²	13 kg
GYSPACK 810	026278	30 Ah	12V	830 A	1700 A	3100 A	•	3 A	•	•	→ 12V DC	—	15 A	2 x 200 A	2 x 1,8 m ø 35 mm ²	16,6 kg
STARTPACK 12.24	026285	2x16 Ah	12V	900 A	1700 A	3600 A	•	7 A	•	•	—	—	20 A	2 x 200 A	2 x 1,8 m ø 35 mm ²	23,5 kg
STARTPACK PRO 12.24	026346	2x30 Ah	24V	700 A	1350 A	1800 A	•	7 A	•	•	—	—	20 A	2 x 200 A	2 x 1,8 m ø 35 mm ²	23,5 kg
			12V	1300 A	2400 A	6200 A	•	7 A	•	•	—	—	20 A	2 x 200 A	2 x 2 m ø 50 mm ²	45,5 kg
STARTPACK PRO 12.24	026346	2x30 Ah	24V	1200 A	2250 A	3100 A	•	7 A	•	•	—	—	20 A	2 x 200 A	2 x 2 m ø 50 mm ²	45,5 kg
			12V	1300 A	2400 A	6200 A	•	7 A	•	•	—	—	20 A	2 x 200 A	2 x 2 m ø 50 mm ²	45,5 kg

12V



Recommendation



GYSPACK 650

GYSPACK 810

24V



Recommendation



STARTPACK 12.24

STARTPACK PRO 12.24

PRO ★★★

BOOSTER

TRUCK & BUS

CHARGER

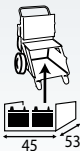
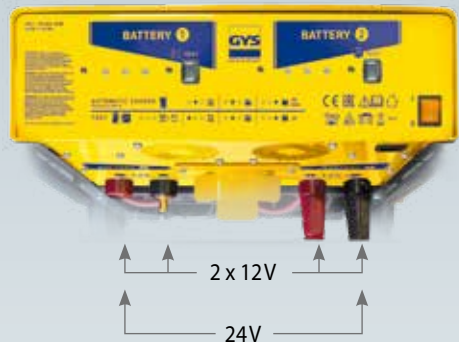
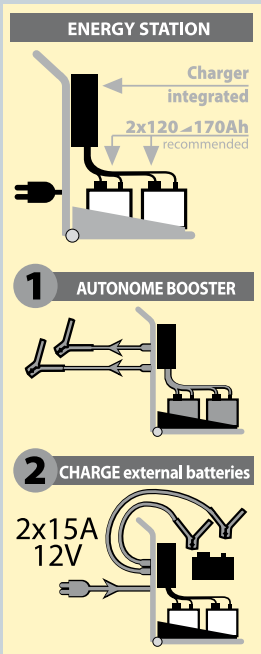
AUTOMATIC X2



12/24V
ENERGY STATION

026148

NEW DESIGN 2016



Batteries non fournies
Batteries not provided
Ohne Batterie



Après chaque utilisation
After each use
Nach jeder Anwendung



Recommendation



Charge External batteries

ENERGY STATION

12V 24V

OK

		 START	 CHARGE				 Fuse				
			12V	24V	 min > max	Moyen / Average (EN 60335)					Efficace / RMS
ENERGY STATION	026148	selon batteries /according to battery	•	•	35 > 225 Ah	2 x 15 A	2 x 22 A	2 x 30 A	70 x 62 x 92 cm	36 kg + batteries	2 x 2,5 m - ø 35 mm ²

MEMORY

AUTO SAVE

SAUVEGARDE MÉMOIRE OBD / Memory auto save
/ Speicherschutz / Salvaguardia memorias
/ Salvaguardas de memória / Αυτοματη αποθήκευση ρυθμίσεων
/ Сохранение настроек/ 记忆储存器

GYSPACK OBD

054998
055001



OBD



Après chaque utilisation
After each use
Nach jeder Anwendung

INSIDE	MEMORY SAVER		Dimensions	Weight
12V 7 Ah	OBD < 4 A	< 4 A		
			25 x 18 x 25 cm	3 kg



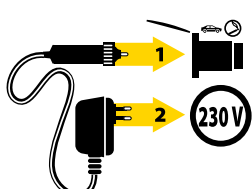
CABLE OBD - Câble OBD - Kabel für OBD

054202
1,5 m
Fuse 7,5 A



MEMORY AUTO SAVE 230 V/12 V - Sauvegarde mémoire 230 V/12 V - Autosicherheitsspeicher 230 V/12 V - Memorizador auto 230 V/12 V - Автосохранение памяти 230В / 12В - 230 V/12 V 记忆保护器

055018
230V/12V/500 mA



BOOSTERS LITHIUM

SPECIAL HOBBY • Utilisation non professionnelle
• Not professional use • Nicht berufliche Benutzung.



200 A
NOMAD POWER 10

026384
026537



INCLUDED
NOMAD POWER
10, 15, 15 AIR & 20

SMART CABLES
MULTI SECURITIES



300 A
NOMAD POWER 15

026377
026544



NEW
03/2016
NOMAD POWER 15 AIR
= NOMAD POWER 15 + AIR COMPRESSOR



6 bar, 10 l/min,
6 A, 60 W

026612



NEW
03/2016

350 A
NOMAD POWER 20

026629



BOOSTERS LITHIUM PRO

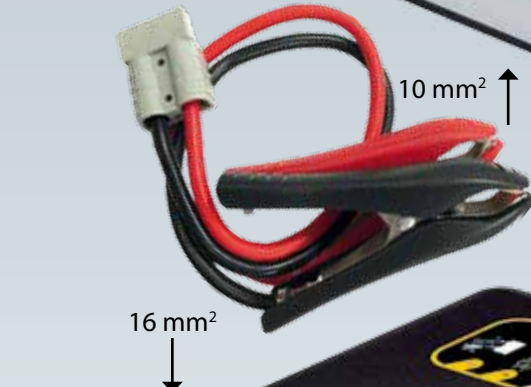
200 A
NOMAD POWER PRO 45

026391
026551



400 A
NOMAD POWER PRO 90

026438
026568



INCLUDED (NOMAD POWER PRO 45 & 90)

OPTION

MEMORY AUTO SAVE
CABLE OBD 1,5 m

054202

Fuse 7,5 A



SAFETY FEATURES :
Anti-short polarity
Anti-short circuit
Anti-reverse current

ONLY NOMAD POWER PRO :
Charging low temp. cut-off
Discharging low temp. cut-off
Over heat cut-off
Over discharged cut-off
Over charged cut-off



		LITHIUM		START CURRENT	PEAK CURRENT	START	CABLE	SMART CABLES	INPUT	OUTPUT	POWER SUPPLY					LIGHT	MODES	cm	kg
		CAPACITY/CELL	FULL CHARGE								PHONE	TABLET	LAPTOP	SPEAKERS	CHARGER				
NOMAD POWER 10	026384	4 Ah - 44.4 Wh	5 h	200 A	400 A	12 V, PETROL & DIESEL	12 V - 1 A	MULTI SECURITIES	12 V/1 A - 5 V/1 A	5 V/2 A - 19 V/3.5 A	•	—	1	1	—	2 x LEDs	LIGHT / S.O.S. / SPOT	17 x 8,2 x 3,2	0,408
NOMAD POWER 15	026377	5 Ah - 55.5 Wh	5 h	300 A	600 A	12 V, PETROL & DIESEL	12 V - 1 A	MULTI SECURITIES	14 V/1 A	5 V/4 A - 12 V/12 A - 19 V/3.5 A	•	•	2	—	—	1 x LED	LIGHT / S.O.S. / SPOT	16,5 x 8 x 3,8	0,476
NOMAD POWER 15 AIR	026612																		
NOMAD POWER 20	026629	6 Ah - 66.6 Wh	6 h	350 A	700 A	12 V, PETROL & DIESEL	12 V - 1 A	MULTI SECURITIES	14 V/1 A	5 V/2.1 A - 5 V/1 A - 12 V/10 A - 19 V/3.5 A	•	•	2	—	—	1 x LED	LIGHT / S.O.S. / SPOT	22,5 x 9 x 3	0,680
NOMAD POWER PRO 45	026391	4.5 Ah - 49.95 Wh	4,5 h	200 A	400 A	12 V, PETROL & DIESEL (< 3500 C.C.) (< 2000 C.C.)	12 V - 1 A	•	12 V/1 A	5 V/2 A	•	—	1	—	—	1 x LED	LIGHT / S.O.S. / SPOT	20,2 x 14,5 x 5,5	0,820
NOMAD POWER PRO 90	026438	9 Ah - 99.9 Wh	9 h	400 A	800 A	12 V, PETROL & DIESEL (< 6000 C.C.) (< 3500 C.C.)	12 V - 1 A	•	12 V/1 A	5 V/2 A - 12 V/3.5 A	•	•	1	—	OPTION (via cigarette plug)	1 x LED	LIGHT / S.O.S. / SPOT	26,7 x 19,5 x 5	1,250

BATTERYLESS BOOSTERS

BOOSTERS SANS BATTERIE

NEW TECHNOLOGY FULL ELECTRONIC CONTROL



- ✓ NO BATTERIE INSIDE
- ✓ NO MAINTENANCE
- ✓ ALWAYS READY
- ✓ BOOSTER SANS BATTERIE INTERNE
- ✓ AUCUNE MAINTENANCE
- ✓ TOUJOURS PRÊT

EASY TO USE : 2 minutes!



GO > 3V

300 A

STARTRONIC 400

026728



NEW 04/2016



-40°C/+65°C

800 A

STARTRONIC 800

026735



NEW 04/2016



INCLUDED STARTRONIC 400 & 800

-40°C/+65°C



		START CURRENT	START 	⊖ INPUT CHARGE						 cm	 kg
					 Charging time		 Charging time	 MICRO USB Type B	 Charging time		
STARTRONIC 400	026728	300 A	12 V, PETROL & DIESEL	12V	60 s	12V/10 A	100 s	5 V/2 A	15 min	17 x 8,2 x 3,2	0,408
STARTRONIC 800	026735	800 A	12 V, PETROL & DIESEL	12V	150 s	12V/10 A	200 s	5V/2 A	40 min	26,7 x 19,5 x 5	1,250

MADE IN P.R.C.

JUMPER CABLES

ISOLATED CLAMPS & LED



		ESSENCE BENZINE PETROL	DIESEL		
056374	300 A	2,5l		3m	16 mm ²
056381	500 A	5,5l	4,5l	3,5 m	25 mm ²

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



056206	320 A	3m	16 mm ²		
564015	500 A	3m	25 mm ²		
056404	700 A	4,5 m	35 mm ²		
056190	1000 A	4,5 m	50 mm ² (100% Cu)		
056602	1000 A	5,1 m	50 mm ² (100% Cu)		

MADE IN P.R.C

PINCES ISOLÉES - INSULATED CLAMPS

- ISOLIERTE KLEMMEN
- Pinzas aisladas
- Garras isoladas
- Geïsoleerde klemmen
- Μονωμένοι ακροδέκτες
- Изолированные зажимы
- 绝缘充电夹



NEW DESIGN 2016



		ESSENCE BENZINE PETROL	DIESEL			DIN 72553
056312	200 A	1,5l		2,8 m	10 mm ²	—
056329	320 A	2,5l		3 m	16 mm ²	• NEW DESIGN
056336	500 A	5,5l	3l	3,5 m	25 mm ²	• NEW DESIGN
056343	700 A	7l	4l	4,5 m	35 mm ²	• NEW DESIGN
056558	1000 A	7l	4l	4,5 m	50 mm ²	—

MADE IN P.R.C

MADE IN FRANCE



056541	700 A	4,5 m	35 mm ²		

MADE IN FRANCE



056619	1000 A	5 m	50 mm ²		

TESTERS

TRADITIONAL



TBP100
055131

TBP500
055148

6V



BT111 DHC
055155



BT222 DHC
055216



BT280 DHC
055261

ELECTRONIC

6V 12V

RT003 START-STOP DHC
055346



BT501 DHC
055209
9 LANGUAGES - SPRACHEN

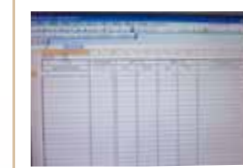


BT501 DHC
x2 (included)
056220

BT551 START-STOP DHC
055452



BT551 DHC
x2 (included)
056220



GESTION LOGICIELLE
DE LA BATTERIE
BATTERY MANAGEMENT
SOFTWARE
SOFTWARE BATTERIE
MANAGEMENT

BT2010 START-STOP DHC
055339

9 LANGUAGES - SPRACHEN



Standard
57 mm (W)
BT2010 DHC
x1 (included)
056237

				TEST			PRINT PAPER	DIGITAL	RESULT	TEMPERATURE COMPENSATION		
				BATTERY A	BATTERY V	CHARGING & STARTING SYSTEM VEHICLE						
TBP 100	traditional	055131	6-12 V	20>100 Ah	•	•	12V	—	—	5/10s	15 min	1,5
TBP 500	traditional	055148	12 V	10>160 Ah	•	•	12V	—	—	15s	15 min	8
BT 111 DHC	electronic	055155	12 V	20>150 Ah	•	min 7 V	12V	—	•	1s	instant	0,25
BT 222 DHC	electronic	055216	12 V	20>150 Ah	•	min 7 V	12V	—	•	1s	instant	0,25
BT 280 DHC	electronic	055261	12 V	4>150 Ah	•	min 4,5 V	12V	—	•	1s	instant	0,25
RT 003 DHC	electronic	055346	6-12 V	7>230 Ah	•	min 1,5 V	12V 24V	—	•	1s	instant	0,8
BT 501 DHC	electronic	055209	6-12 V	7>230 Ah	•	min 1,5 V	12V 24V	—	•	1s	instant	0,4
BT 551 DHC	electronic	055452	6-12 V	7>230 Ah	•	min 1,5 V	12V 24V	—	•	1s	instant	0,4
BT2010 DHC	electronic	055339	6-12 V	7>230 Ah	•	min 1,5 V	12V 24V	—	•	1s	instant	0,7

Recommendation	Test		PRINT PAPER	START /STOP ENGINE	EFB	AGM, Liquid, VRLA/GEL					
	batteries/Battery/ Ladegeräte	Circuit alterateur/ Alternator Circuit/ Lichtmaschinen-Schaltkreis					Motorcycle	Car	Van	Truck	Truck
TBP 100 traditional	6V 12V	12V	—	—	—	—	20 > 100 Ah				
TBP 500 traditional	12V	12V	—	—	—	—	10 > 160 Ah				
BT 111 DHC electronic	12V	—	—	—	—	—	20 > 150 Ah				
BT 222 DHC electronic	12V	12V	—	—	—	—	20 > 150 Ah				
BT 280 DHC electronic	12V	12V	—	—	—	—	4 > 150 Ah				
RT 003 START-STOP DHC electronic	6V 12V	12V 24V	—	•	•	•	7 > 230 Ah				
BT 501 DHC electronic	6V 12V	12V 24V	•	—	—	•	7 > 230 Ah				
BT 551 START-STOP DHC electronic	6V 12V	12V 24V	•	•	•	•	7 > 230 Ah				
BT 2010 START-STOP DHC electronic	6V 12V	12V 24V	•	•	•	•	7 > 230 Ah				

MADE
IN P.R.C.

CHOOSE YOUR BOOSTER

CHOISISSEZ VOTRE BOOSTER

38

CHOOSE YOUR BOOSTER

START

	12 V							12 - 24 V			ENERGY STATION
	GYSPACK ONE	GYSPACK AUTO	GYSPACK AIR	GYSPACK PRO	GYSPACK 650	GYSPACK 750	GYSPACK 810	GYSPACK TRUCK	STARTPACK 12.24	STARTPACK PRO 12.24	
	025073	026230 025455	026322	026155	026254	026179	026278	025448	026285	026346	026148
	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	24 V	24 V	24 V	24 V
1V/C	300 A	480 A	480 A	600 A	640 A	750 A	830 A	750 (12 V)	900 A (12 V)	1300 A (12 V)	
CC	600 A	900 A	900 A	1100 A	1200 A	1450 A	1700 A	650 (24 V)	700 A (24 V)	1200 A (24 V)	
PEAK	1000 A	1250 A	1250 A	1750 A	1800 A	2500 A	3100 A	1450 A (12 V)	1700 A (12 V)	2400 A (12 V)	
								1300 A (24 V)	1350 A (24 V)	2250 A (24 V)	
								3200 A (12 V)	3600 A (12 V)	6200 A (12 V)	
								1600 A (24 V)	1800 A (24 V)	3100 A (24 V)	
12V	12 Ah	18 Ah	18 Ah	22 Ah	16 Ah	26 Ah	30 Ah	2 x 22 Ah	2 x 16 Ah	2 x 30 Ah	
ON/OFF	—	—	•	•	•	•	•	•	•	•	—
TEST	—	•	•	•	•	•	•	—	—	—	•
	outside 0,5 A	outside 0,5 A	outside 0,5 A	outside 0,5 A	inside 2,5 A	outside 2 A	inside 2,5 A	outside 2 A	inside 7 A	inside 7 A	inside 2 x 15 A
	Floating	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	—	—	—
	—	—	•	—	—	—	—	—	—	—	—
	—	—	•	•	—	•	—	•	—	—	—
	0,5 m ø16 mm ²	0,5 m ø16 mm ²	1,1 m ø25 mm ²	1,1 m ø25 mm ²	1,4 m ø25 mm ²	1,3 m ø25 mm ²	1,8 m ø35 mm ²	1,8 m ø25 mm ²	1,8 m ø35 mm ²	1,8 m ø35 mm ²	2,5 m ø50 mm ²
	22 x 24 x 15	33 x 14 x 35	34 x 20 x 43	34 x 20 x 43	33 x 20 x 33	33 x 16 x 38	33 x 20 x 33	35 x 19 x 44	17 x 33 x 48	57 x 34 x 94	70 x 62 x 92
	6 kg	7 kg	8,9 kg	7,9 kg	11 kg	13 kg	15 kg	18 kg	23 kg	31 / 40 kg	36 kg +



ATTENTION HORS UTILISATION
Laisser le chargeur branché
en permanence.

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

ACHTUNG AUSSER BETRIEB
Lader dauernd angeschlossen lassen.

ATTENTION CUANDO ESTA APAGADO
Dejar el cargador conectado permanentemente.

OPGELET BIJTEN GEBRUIK
Laat de lader onafgebroken aangesloten.

★
MINI
PRO

★★★
PRO

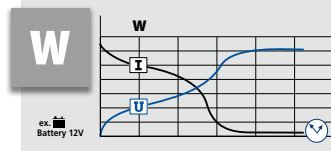
★★★★
UNIVERSAL
PRO

CHARGING TECHNOLOGIES

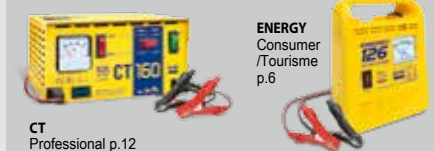
TECHNOLOGIES DE CHARGE

BATTERIES DE DÉMARRAGE - Automotive batteries - Starterbatterien - Baterías de arranque - Automotive accu's
- Baterías de Automóvil - Μπαταρίες οχημάτων - Пусковые батареи - 汽车启动电池

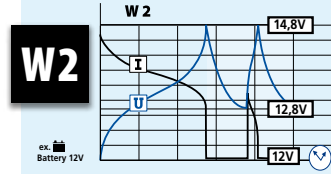
TRADITIONAL



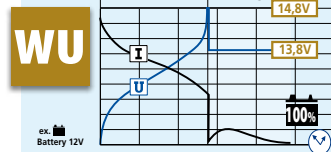
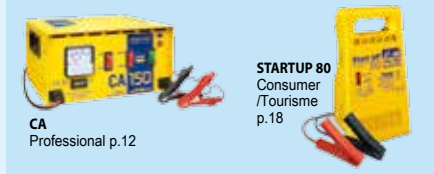
Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



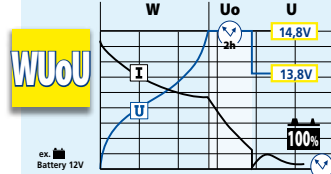
AUTOMATIC



Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



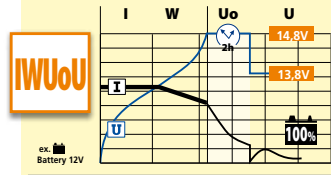
Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



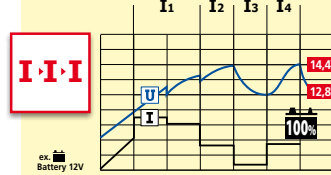
Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



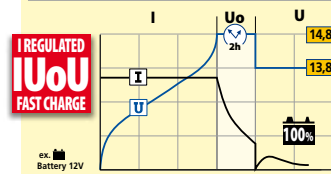
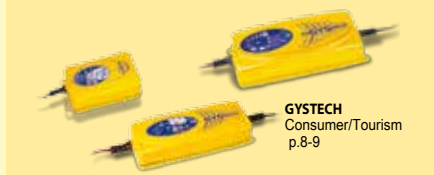
AUTOMATIC FAST CHARGE



Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		

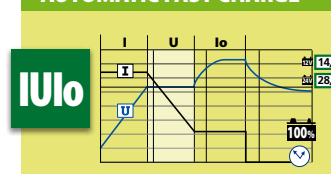


Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



BATTERIES DE TRACTION - Traction batteries - Traktionsbatterien - Baterías de tracción - Tractieaccu's - Baterías de Tracção
- Μπαταρίες έλξης - Тяговые батареи - 牵引用铅酸蓄电池

AUTOMATIC FAST CHARGE



Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



Recommendation					
LIQUID	LIQUID	LIQUID	START/STOP	GEL	OPTIMA
Calcium	Calcium	Silver	(A)	Sealed	maXXima
★	★	★	★	★	★
UNIVERSAL	MAINTENANCE	EASY USE	HIGH TECH		



Conversion Chart / Table:

horse power to watts	watts to horse power
hp = W	W = hp
0,1 = 73,5	100 = 0,1360
0,2 = 147,1	200 = 0,2719
0,3 = 220,6	300 = 0,4079
0,4 = 294,2	400 = 0,5438
0,5 = 367,7	500 = 0,6798
1 = 735,5	1000 = 1,3596
2 = 1471,0	2000 = 2,7192
3 = 2206,5	3000 = 4,0789
4 = 2942,0	4000 = 5,4385

Battery Configurations:

- 6V 150Ah + 6V 150Ah + 6V 150Ah + 6V 150Ah = 24V 150Ah
- 12V 80Ah + 12V 60Ah + 12V 120Ah + 12V 100Ah = 12V 360Ah
- 12V 60Ah + 12V 70Ah + 12V 80Ah + 12V 50Ah + 12V 110Ah + 12V 90Ah + 12V 40Ah + 12V 80Ah = 24V 290Ah

(GYS Recommendation : BATIUM 15/24 - 25/24)

(GYS Recommendation : GYSFLASH : 75/12HF - 30 HF)

(GYS Recommendation : CA 350 - BATIUM 25/24 - GYSFLASH 30.24 HF)

www.gys.fr/charging

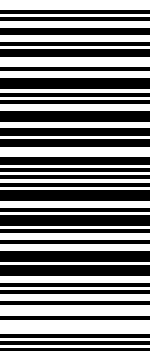


Linéaire de vente / GYS display
060388

INTERNATIONAL EVENTS



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