



BATTERY CHARGERS

CHARGERS FOR STARTER BATTERIES



INTELLIGENT BATTERY CHARGER

Switching Power Charger includes most advanced charging technology and lead this charger into next level.



BAT/44459

FEATURES

- CE version: 220V - 240V
- Automatic charge condition monitoring
- 8 bit LED status indicator & dip switch panel
- Reversed polarity prevention & Battery condition detect
- Battery plate desulfates / re-conditions assist technology
- Over temperature / Over current / Reverse connect protection

**6-12-24 VOLT
FOR OPEN LEAD - AGM
- GEL & DEEP CYCLE
BATTERIES**

NEW FUNCTIONS

- Memory
- Car charger Lithium + LiFePO4 battery

Input power (V)	Charge Rate (A)	Battery type	Product Dim.	Weight (CTN)
6/12/24V	6-12V-20A, 10A, 2A 24V-10A, 5A, 2A	Reg/AGM/ (12V)Deep cycle/(6/12V)GEL	24.6 x 14.6 x 12.1 cm	NW: 9.6 kgs

SMART BATTERY CHARGERS

Use our energy source if you have start difficulties due to insufficient battery capacity in the vehicle battery or use it as charger for 12V/24V lead-acid (starter)batteries. Due to its wheels and hand-grips the battery chargers are very easy transportable.

The battery charger Boosters are professional battery chargers for charging and fast-charging the 12V & 24V lead-acid batteries.



Model	BAT/45680	BAT/45681	BAT/45682	BAT/45683
Input Voltage (V)	230	230	230	230
Charge Voltage (V)	12/24	12/24	12/24	12/24
Effective Charging Current (A)	10A	12A	16A	25A
Effective Charging Boost (A)	14A	16A	20A	30A
Class of Insulation	H	H	H	H
Rated charging Current (A)	8.0/5.0	12.0/8.0	20	30
Max rated reference capacity (Ah)	120	200	250	320
Min rated reference capacity (Ah)	25	60	92	120
Weight (kg)	7.2	7.4	9.5	11.5
External Dimension (cm)	26x23x19.7	26x23x19.7	28.5x23x21	30.5x29x21.5

Model	BAT/45684	BAT/45685	BAT/45686	BAT/45687
Input Voltage (V)	230	230	230	230
Max starting current (A)	180	240	360	540
Adjustment positions	4	4	6	6
Charging Voltage (V)	12/24	12/24	12/24	12/24
Rated charging Current (A)	30	40	50	60
Max rated reference capacity (Ah)	500	700	800	1000
Min rated reference capacity (Ah)	30	40	50	60
Fuse (A)	13	16	20	20
Weight (kg)	14.5	16	25	26
External Dimension (cm)	32x25x57.5	32x25x57.5	40.5x31.5x61.5	40.5x31.5x61.5

HIGH FREQUENCY CHARGERS

AQ-TRON®

INVERTER/CHARGER COMBINATION



The inverter charger combination is designed for off grid and power back up applications providing True Sine Wave Inverter, Battery Charger, AC transfer switch and Power Management in one unit. It can be connected to either grid or generator to compose power system for the most demanding applications.

PURE SINE WAVE INVERTER

- Distortion free sine wave AC power for household appliance and sensitive electronics without worry, such as TV, stereo, laptop. Or, make your appliances work smoother, cooler and more efficient, such as fridge, power tools and microwave.
- Provided with outstanding peak power in together with super fast protection make it suitable heavy inductive load.
- High efficiency gets most out of your reserved energy.
- Low consumption power could effectively save the precious energy.
- Adjustable low voltage disconnect level suitable for various applications.

SOPHISTICATED BATTERY CHARGER

- Powerful charger with multi stages charging algorithm.
- Generator mode make it suitable to work with various kinds of generator.
- Power factor corrected battery charging.
- Charger power adjustable.
- Temperature compensated charging.
- Various battery types: AGM, GEL, Open-Lead-Acid.

AUTOMATIC TRANSFER SWITCH

- In even grid failure, the output will switch to inverter automatically and take over the power supply to the load without interruption.

POWER MANAGEMENT

- Starting generator when battery voltage runs low.
- Along with battery running low, it could supply various signals for customer to have a smart load management.

Model	BAT/44911	BAT/44912	BAT/44913	BAT/44914	BAT/44915
Nominal DC voltage	12 Volt				
Inverter continuous power (W at 25°C)	600	1000	1500	2000	3000
Charger max current (A)	25	40	60	80	120
De-sulphation	15.5V for 30 mins				
Circuit breaker - charger (A)	5	10	10	15	30
Circuit breaker - output (a)	5	10	10	15	30
Size	457 x 190 x 130		557 x 220 x 180		720x220x180
Weight (kgs)	9.5	10.5	18	20	28

Model	BAT/44916	BAT/44917	BAT/44918	BAT/44919	BAT/44920	BAT/44921	BAT/44922
Nominal DC voltage	24 Volt						
Inverter continuous power (W at 25°C)	600	1000	1500	2000	3000	4000	5000
Charger max current (A)	15	20	30	40	60	80	100
De-sulphation	31V for 30 mins						
Circuit breaker - charger (A)	5	10	10	15	30	30	30
Circuit breaker - output (a)	5	10	10	15	30	30	30
Size	457 x 190 x 130		557 x 220 x 180			720 x 220 x 180	
Weight (kgs)	9.5	10.5	18	20	24.5	34.5	38

Model	BAT/44923	BAT/44924	BAT/44925	BAT/44926	BAT/44927
Nominal DC voltage	48 Volt				
Inverter continuous power (W at 25°C)	2000	3000	4000	5000	6000
Charger max current (A)	20	30	40	50	60
De-sulphation	62V for 30 mins				
Circuit breaker - charger (A)	15	30	30	30	40
Circuit breaker - output (a)	15	30	30	30	40
Size	457 x 190 x 130		557 x 220 x 180		720x220x180
Weight (kgs)	18.5	22.5	34.5	38	42



BATTERY CHARGERS

AQ-TRON®

SMART CHARGERS

This microprocessor controlled battery chargers don't only charge your batteries correctly, but also prolong the battery life!

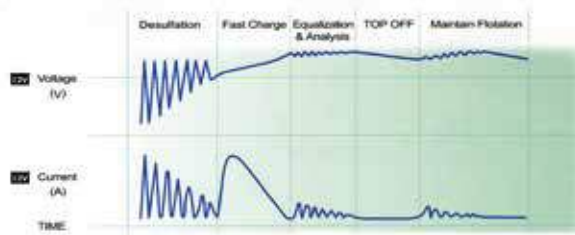
THE CHARGERS WORK IN 5 PHASES:

- 1) **Desulfation:** recovers a deep discharged or lightly sulfated battery.
- 2) **Fast charge:** the battery will be charged up to 75 % in the fastest and most efficient way.
- 3) **Equalisation:** when the battery is charged for 75%, the charger switches to a charge mode which charges the battery in a safe way.
- 4) **End charge:** the battery will be fully charged without over-charging!
- 5) **Maintenance:** makes that the battery stays fully charged.

These chargers are appropriate for charging 12V batteries: SLI / VRLA / GEL / AGM / Calcium-Calcium / Spiral Cell.



THE VOLTAGE



COMPARISON TABLE

	REF.	BAT/36549	BAT/38942	BAT/36550	BAT/36551	BAT/36552	BAT/35952	BAT/40486	BAT/40488
Alt.		LAD/AQHF12V1.5A	LAD/AQHF12V3A	LAD/AQHF12V5A					
Voltage		12V Batt.	12V Batt.	12V Batt.	12V Batt.	12V Batt.	12V Batt.	24V Batt.	24V Batt.
Amperage		1.5 Amp	3 Amp	5 Amp	2/12 Amp	5/30 Amp	5 Amp	2,5 Amp	4 Amp
Input 220 ~ 240 Vac		•	•	•	•	•	•	•	•
Motor Starting						90 Amp			
high frequency		•	•	•	•			•	•
Controlled by microprocessor		•	•	•	•	•	•	•	•
5-phase charges		•	•	•	•				
Several batteries							4 ports		
IP 65 (protected against dust / splash / rain)		•	•	•				•	
Protected against short circuits		•	•	•	•	•	•	•	•
Protected against overcharging		•	•	•	•	•	•	•	•
Displaying Amp / Voltage									
Charge voltage adjustable						•			

Battery Charger		BAT/36549	BAT/36551	BAT/38942	BAT/36550 - BAT/35952	BAT/36552
Voltage		1.5 Amp - 12V	2/12 Amp - 12V	3 Amp - 12V	5 Amp - 12V	30 Amp - 12V
CCA						
	100	✓ 5 hrs	✓ 3.8hrs	✓ 2.6hrs	✗	✗
	120	✓ 6hrs	✓ 4.5hrs	✓ 3.2hrs	✗	✗
	200	Maintain	✓ 8hrs	✓ 6hrs	✓ 3.5hrs	✗
	300	Maintain	✓ 2hrs	✓ 8hrs	✓ 6hrs	✗
	400	Maintain	✓ 3.3hrs	✓ 11hrs	✓ 7.5hrs	1.5hrs
	500	Maintain	✓ 4.2hrs	15hrs	✓ 10hrs	✓ 1.8hrs
	600	Maintain	✓ 5hrs	18hrs	12hrs	✓ 2.2hrs
	750	✗	✓ 6.5hrs	23hrs	15hrs	✓ 2.8hrs
	Deep Cycle	Maintain	✓	✓	✓	✓

● Recommended
 ● Can be used
 ● Not recommended



Ref.	V	A	Dim. mm	kg
BAT/36549	12	1.5	130 x 60 x 50	0.55
BAT/38942	12	3	130 x 60 x 50	0.55



Ref.	V	A	Dim. mm	kg
BAT/36550	12	5	160 x 96 x 54	0.85
BAT/40486	24	2.5	160 x 96 x 54	0.85



Ref.	V	A	Dim. mm	kg
BAT/36551	12	2-12	195 x 124 x 68	1.4
BAT/40488	24	4	195 x 124 x 68	1.4

SMART CHARGER

▶ **BAT/48232**

Smart Charger 12/24V / 25A

12V/24V Compatibility, Memory Function, Fully Interactive, MCU controlled program, Fast Charging Technology, Power Factor Correction, Complete Protection, All Types of Battery, Abnormally protection, Recovery Mode, Extendable Connectors, Cold/AGM Mode.

- Battery Voltage: 12V / 24V
- Voltage selection: Automatic
- Min-Max capacity of battery for charging: 50-450A(12v) / 25-230A(24v)
- Max. battery capacity for maintenance: 500A
- Charging current (Amp.): **12V 25A ±10% – 24V 12,5A ±10%**
- Battery types: WET, MF, GEL, ...
- Charging program: Constant current, constant voltage
- Ambient temperature, output is reduced automatically at high temp: Reduced output power at higher temperature
- IP Protection: IP44 (Fan version)

▶ **BAT/36552**

12V - 4A-30A (90A engine start)
 Size: 200 x 200 x 150 mm
 Weight: 6.3 kg



▶ **BAT/35952: 12V - 5A**

Automatic battery charger, suitable to charge 4 batteries simultaneously

Appropriate for maintenance charges, recovery charges and standard charges. For lead acid batteries: SLI, open lead-acid batteries, maintenance-free batteries (MF), AGM-batteries and GEL batteries, ...

- Microprocessor controlled.
- LED indication: red & green.
- Protected from: reversed polarity, sparks and overcharges.
- Stable output.
- Less warmth consumption.
- Input voltage: 220Vac-240Vac
- Output voltage: 12Vdc
- Size: 350 x 190 x 75 mm


















BATTERY CHARGERS

NOCO CHARGERS



ATVs, Lawn Mowers, Motorcycles, Cars, Trucks, Boats, RVs, Tractors, Equipment, And More.

Ultra-compact, rugged, and portable **UltraSafe®** Smart Charger. Features **spark proof technology** and **reverse polarity protection**. Charges **2X faster** than ordinary chargers. Stay connected 24/7 with **zero overcharge**.

- 
Start-Stop.
 Counteracts increased cyclic energy demands placed on batteries in micro-hybrid vehicles.
- 
Energy Save.
 Minimizes energy consumption when full power is not needed.
- 
Recovery.
 Applies a high-voltage pulse charge when low-voltage, sulfation, or lost capacity is detected.
- 
Firewall.
 Multi-level safety barrier prevents unsafe and abnormal conditions.
- 
Thermal Monitor.
 Internal temperature sensors adjust charge based on ambient climate.
- 
Rugged.
 Dirt, water, UV, impact and crush resistant.
- 
Optimization.
 Stabilizes internal battery chemistry for increased performance and longevity.
- 
Safe.
 Protects against reverse polarity, sparks, over-charging, overcurrent, open-circuits and overheating.
- 
CANBUS.
 Automatically enables the charging port to charge CANBUS systems.
- 
Load Tracking.
 Dynamically changes charge current when a load is placed on the battery.
- 
Memory.
 Returns to last-selected mode when restarted.
- 
Maintenance Plus.
 Keeps the battery fully charged without over-charging, indefinitely.
- 
Diagnostics.
 Intuitive visual diagnostic tool for detecting reverse polarity, low-voltage or damaged batteries.
- 
Interactive.
 Alters the charging process based on organic battery feedback.



NOCO ACCESSORIES

BATTERY CLAMP CONNECTOR			
REF.: NOC/GC001			
 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO			
EYELET M8 TERMINAL CONNECTOR	12V PLUG CONNECTOR	10' EXTENSION CABLE	XL EYELET TERMINAL CONNECTOR (3/8")
REF.: NOC/GC002	REF.: NOC/GC003	REF.: NOC/GC004	REF.: NOC/GC008
 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO	 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO	 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO	 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO
SAE ADAPTER	12V PLUG FEMALE OUTLET	12V PLUG CONNECTOR (DUAL SIZE)	OBDII CONNECTOR
REF.: NOC/GC009	REF.: NOC/GC010	REF.: NOC/GC011	REF.: NOC/GC012
 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO	 Fits: G7200 (All Versions), GC003, GC011, GC019, GC020	 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO	 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO
MALE-TO-MALE COUPLER	12V XL EYELET BATTERY INDICATOR (3/8")	12V DASHMOUNT BATTERY INDICATOR	12V PLUG SOCKET WITH BATTERY CLAMPS
REF.: NOC/GC013	REF.: NOC/GC015	REF.: NOC/GC016	REF.: NOC/GC017
 Fits: Any X-Connect Accessory with a Female X-Connect End	 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO	 Fits: G750 (All Versions), G1100 (All Versions), G3500 (All Versions), G7200 (All Versions), G4 (All Versions), BLSOLAR2, BLSOLARS, XGS4AUTO, XGS9AUTO	 Fits: GC003, GC011, GC019, GC020
12V PLUG SOCKET WITH EYELET TERMINALS	12V PLUG 10' EXTENSION CABLE	12V PLUG 2 WAY SPLITTER	HD BATTERY CLAMP WITH INTEGRATED EYELET CONNECTOR
REF.: NOC/GC018	REF.: NOC/GC019	REF.: NOC/GC020	REF.: NOC/GC032
 Fits: GC003, GC011, GC019, GC020	 Fits: GC003, GC010, GC011, GC017, GC018, GC019, GC020	 Fits: GC003, GC010, GC011, GC017, GC018, GC019, GC020	 Fits: G15000, G26000

NOCO 
genius[®]
 wicked smart chargers™



Auto | Marine | RV | Powersport | Lawn & Garden

REF.	Charge rate (A)	Types of batteries	Battery Capacity	Dim. LxWxH	Input power (V)	Housing Protection
G750	0.75	6V & 12V	2 - 30 Ah	69 x 38 x 142	230 Vac, 50 - 60 Hz	IP60



Auto | Marine | RV | Powersport | Lawn & Garden

REF.	Charge rate (A)	Types of batteries	Battery Capacity	Dim. LxWxH	Input power (V)	Housing Protection
G1100	1.1	6V & 12V	2 - 40 Ah	213 x 41 x 64	230 Vac 50 - 60 Hz	IP65




REF.	Charge rate (A)	Types of batteries	Battery Capacity	Dim. LxWxH	Input power (V)	Housing Protection
G3500	3.5	6V & 12V	2 - 120 Ah	251 x 48 x 69	230 Vac 50 - 60 Hz	IP65




REF.	Charge rate (A)	Types of batteries	Battery Capacity	Dim. LxWxH	Input power (V)	Housing Protection
G7200	7.2	12V & 24V	14 - 230 Ah (12V) 14 - 115 Ah (24V)	279 x 48 x 94	230 Vac 50 - 60 Hz	IP65



 **Jump Charge™**
 Rapidly charge and start vehicles with drained batteries safely in 5 minutes.

REF.	Charge rate (A)	Types of batteries	Battery Capacity	Dim. LxWxH	Input power (V)	Housing Protection
G15000	15	12V & 24V	50 - 400 Ah (12V) 25 - 200 Ah (24V)	358 x 71 x 122	230 Vac, 50 - 60 Hz	IP44



 **Jump Charge™**
 Rapidly charge and start vehicles with drained batteries safely in 5 minutes.

REF.	Charge rate (A)	Types of batteries	Battery Capacity	Dim. LxWxH	Input power (V)	Housing Protection
G26000	26	12V, 16V & 24V	50 - 500 Ah (12V) 25 - 250 Ah (24V)	399 x 81 x 145	230 Vac, 50 - 60 Hz	IP44