



Blue Power Battery Charger

Completely encapsulated: waterproof, shockproof and ignition protected

Water, oil or dirt will not damage the Blue Power charger. The casing is made of cast aluminium and the electronics are molded in resin.

Protected against overheating

Can be used in a hot environment such as a machine room. Output current will reduce as temperature increases up to 60°C, but the Blue Power charger will not fail.

Automatic three stage charging

Once the absorption voltage has been reached, the Blue Power charger will switch to float charge after the charge current has reduced to a low break point current (see specifications), or after a 20 hour absorption period. The battery is therefore effectively protected against overcharging and can remain permanently connected to the charger. The charger will automatically reset and start a new charge cycle after interruption of the AC supply.

Two LED's for status indication

Yellow LED: battery being charged

Green LED: float charge, the battery is charged

Learn more about batteries and battery charging

To learn more about batteries and charging batteries, please refer to our book 'Energy Unlimited' (available free of charge from Victron Energy and downloadable from www.victronenergy.com).



Blue Power charger	12/6	12/15	24/3	24/8
Input voltage range (V AC)	200-265			
Frequency (Hz)	45-65			
Charge voltage 'absorption' (V DC)	14,4	14,4	28,8	28,8
Charge voltage 'float' (V DC)	13,6	13,6	27,2	27,2
Charge current (A)	6	15 (2)	3	8 (2)
Charge characteristic	3 stage with max. 20 hours absorption time			
Minimum battery capacity (Ah)	12	24	6	16
Breakpoint current (A)	0,6	0,8	0,6	0,8
Can be used as power supply	√	√	√	√
Protection (1)	a,b,c,			
Operating temp. range	-20 to +60°C (full rated output up to 40°C)			
Humidity	Up to 100 %			
ENCLOSURE				
Material & Colour	aluminium (blue RAL 5012)			
Battery-connection	Black and red cable of 1,5 meter			
230 V AC-connection (3)	Cable of 1,5 meter with Europe class 1 plug (CE certified)			
Protection category	IP 65			
Weight (kg)	0,9	1.85	0,9	1.85
Dimensions (h x w x d in mm)	36 x 80 x 155	46 x 99 x 193	36 x 80 x 155	46 x 99 x 193
STANDARDS				
Safety	EN 60335-1, EN 60335-2-29			
Emission	EN 55014-1, EN 61000-3-2			
Immunity	EN 55014-2, EN 61000-3-3			

1) Protection
 a. Battery reverse polarity (fuse in battery cable)
 b. Output short circuit
 c. Over temperature

2) Forced cooling required for continuous full rated output
 3) Other plug types on request

