

# Blue Power Battery Charger

90 – 135 VAC

[www.victronenergy.com](http://www.victronenergy.com)



### 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 140°F, 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](http://www.victronenergy.com)).

Blue Power charger	12/7	12/17	24/12
Input voltage range (V AC)	90-135		
Frequency (Hz)	45-65		
Charge voltage 'absorption' (V DC)	14,4	14,4	28,8
Charge voltage 'float' (V DC)	13,6	13,6	27,2
Charge current (A)	7	17	12
Charge characteristic	3 stage with max. 20 hours absorption time		
Minimum battery capacity (Ah)	12	24	24
Breakpoint current (A)	0,6	0,8	1,2
Can be used as power supply	√	√	√
Protection (1)	a,b,c,		
Operating temp. range	0 - 140°F (full rated output up to 100°F)		
Humidity	Up to 100 %		
<b>ENCLOSURE</b>			
Material & Colour	aluminum (blue RAL 5012)		
Battery-connection	Black and red cable, length 5 feet		
230 V AC-connection (3)	5 feet cord with NEMA 5-15 plug		
Protection category	IP65		
Weight (lbs)	1,9	2,1	2,8
Dimensions (h x w x d, inches)	1.4 x 3.1 x 6.1	1,8 x 4,0 x 7,7	1.8 x 3.9 x 7.6
<b>STANDARDS</b>			
Safety	EN 60335-1, EN 60335-2-29		
Emission Immunity	EN 55014-1, EN 61000-6-3, EN 61000-3-2		
Automotive Directive	EN 55014-2, EN 61000-6-1, EN 61000-6-2, EN 61000-3-3		
1) Protection key: a) Battery reverse polarity (fuse in battery cable) b) Output short circuit c) Over temperature			