

# Blue Power Battery Charger IP 20

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



**Blue Power Battery Charger  
IP 20 12/15**

### Universal input: 90-265 VAC or 90-350 VDC

The charger will operate on whatever supply is available.

### Adaptive 4-stage charge characteristic: bulk – absorption – float – storage

The Blue Power charger features a microprocessor controlled 'adaptive' battery management. The 'adaptive' feature will automatically optimise the charging process relative to the way the battery is being used.

### Less maintenance and aging when the battery is not in use: the Storage Mode

The storage mode kicks in whenever the battery has not been subjected to discharge during 24 hours. In the storage mode float voltage is reduced to 2,2 V/cell (13,2 V for a 12 V battery) to minimise gassing and corrosion of the positive plates. Once a week the voltage is raised back to the absorption level to 'equalize' the battery. This feature prevents stratification of the electrolyte and sulphation, a major cause of early battery failure.

### Protected against overheating and silent fan cooling

Output current will reduce as temperature increases up to 60°C, but the Blue Power charger will not fail. The load and temperature controlled fan is practically inaudible

### Two LED's for status indication

Yellow LED: bulk charge (blinking fast), absorption (blinking slow), float (solid)

Green LED: power on

### 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 IP 20	12/7 12/10 12/15	24/5 24/8
Input voltage range	90-265 VAC or 90-350 VDC	
Frequency	45-65 Hz or DC	
Charge voltage 'absorption' (V DC)	14,4	28,8
Charge voltage 'float' (V DC)	14	28
Charge voltage 'storage' (V DC)	13,2	26,4
Charge current (A)	7 / 10 / 15	5 / 8
Charge characteristic	4-stage adaptive	
Minimum battery capacity (Ah)	24 / 36 / 55	24 / 36 / 55
Can be used as power supply	√	√
Protection	Battery reverse polarity (fuse in battery cable) Output short circuit Over temperature	
Operating temp. range	-20 to +60°C (full rated output up to 40°C)	
Humidity (non condensing)	Max 95 %	
ENCLOSURE		
Material & Colour	aluminium (blue RAL 5012)	
Battery-connection	Black and red cable of 1,5 meter	
230 V AC-connection	Cable of 1,5 meter with Europe class 1 plug (CE certified)	
Protection category	IP 20	
Weight (kg)	1,3	1,3
Dimensions (h x w x d in mm)	50 x 85 x 200	50 x 85 x 200
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	