



**victron energy**  
B L U E P O W E R

**Blue Power battery charger**

**Blue Power Battery Charger IP 20**

**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)).



<b>Blue Power charger IP 20</b>	<b>12/7 12/10 12/15</b>	<b>24/5 24/8</b>
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	16 / 24
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 %	
<b>ENCLOSURE</b>		
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
<b>STANDARDS</b>		
Safety	EN 60335-1, EN 60335-2-29	
Emission	EN 55014-1, EN 61000-3-2	
Immunity	EN 55014-2, EN 61000-3-3	



**Available from CCL Group websites**

[www.thePowerStore.co.uk](http://www.thePowerStore.co.uk)  
or call 0800 091 4148

[www.CCLcomponents.com](http://www.CCLcomponents.com)  
or call 0800 091 4147

[www.theVictronStore.co.uk](http://www.theVictronStore.co.uk)  
or call 0800 091 4090

