

## BLUESMART IP65

12V 4/7/10/15/25 Amp - 24V 5/8/13  
Amp



Cargador de baterías Victron Energy BluePower



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The highest efficiency ever!

- Seven step smart charge algorithm
- Water resistant
- Automatic compensation for high or low temperature
- Fully discharged "dead" battery recovery function
- Several other battery life enhancing features
- Power supply function
- Li-ion battery mode

### Reconditioning

A lead-acid battery that has been insufficiently charged or has been left discharged during days or weeks will deteriorate due to sulfation. If caught in time, sulfation can sometimes be partially reversed by charging the battery with low current up to a higher voltage.

### Recovery function for fully discharged batteries

Most reverse polarity protected chargers will not recognize, and therefore not recharge a battery which has been discharged to zero or nearly zero Volts. The Blue Smart Charger however will attempt to recharge a fully discharged battery with low current and resume normal charging once sufficient voltage has developed across the battery terminals.

## Ultra high efficiency "green" battery charger

With up to 95% efficiency, these chargers generate up to four times less heat when compared to the industry standard. And once the battery is fully charged, power consumption reduces to 0,5 Watt, some five to ten times better than the industry standard.

Durable, safe and silent

Storage mode: less corrosion of the positive plates

Li-ion battery mode

The Blue Smart Charger uses a specific charging algorithm for Lion (LiFePO ) batteries, with automatic Li-ion under voltage protection reset.

Setup and configure, readout of voltage and current by Bluetooth Smart

## SPECIFICATIONS

**BlueSmart**    **12 V 4 / 5**    **24 V 5 / 8 /**  
**Charger**       **/ 7 / 10 / 15**       **13 A**  
   **/ 25 A**

### Electrical specifications

Input voltage	230 Vac	230 Vac
Charge voltage	Normal: 14,4 - Hight: 14,7 - Li-ion: 14,2 Vcc	Normal: 27,6 - Hight: 27,6 - Li-ion: 27,0 Vcc
Charge voltage "float"	Normal: 13,8 - Hight: 13,8 - Li-ion: 13,5 Vcc	Normal: 27,6 - Hight: 27,6 - Li-ion: 27,0 Vcc
Charge voltage "storage"	Normal: 13,2 - Hight: 13,2 - Li-ion: 13,5 Vcc	Normal: 26,4 - Hight: 26,4 - Li-ion: 27,0 Vcc
Charge current	4 / 5 / 7 / 10 / 15 / 25 A	5 / 8 / 13 A
Low current mode	2 / 2 / 2 / 3 / 4 / 10 A	2 / 3 / 4 A
Temperature compensation (lead-acid batteries only)	16 mV/°C	32 mV/°C
Protection	Reserse polarirty. Ouput short circuit. Over temperature	
Operating Temperature range	-20 to +50 °C	
Humidity	Max. 95%	
<b>Enclosure</b>		
Battery connection	Black and red cable of 1,5 meter	
230 Vac connection	Cable of 1,5 mts. with CEE plug	
Protection	IP65	IP 65

## category

Weight	0,9 Kgr.	0,9 Kgr
Dimensions	12 V 4 / 5:	
	45 x 81 x 182 mm.	24V 5: 47 x 95 x 190 mm
	12V 7: 47 x 95 x 190 mm	24V 8: 60 x 105 x 190 mm
	12V 10 / 15:	mm
	60 x 105 x 190 mm	24V 13.: 75 x 140 x 240 mm
	12V 25.: 75 x 140 x 240 mm	

## Standards

Safety	EN60335-1, EN60335-2-29
Emission	EN55014-1, EN 61000-6-3, EN 61000-3-2
Immunity	EN55014-2, EN61000-6-1, EN61000-6-2, EN61000-3-3
Warranty	5 years

## DOWNLOADS

CATÁLOGO GENERAL BORNAY 14-15

 [Catalogo-Bornay-1415.pdf](#) ( 10.41 MiB )  
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