

The professional's choice



Features & Benefits

- Water, dust and chemical resistant
- Seven-step smart charge algorithm
- Recover fully discharged 'dead' batteries
- Automatic power supply function
- Severe cold performance: down to -30 °C
- Several other battery-life-enhancing features
- Low-power mode to charge smaller batteries
- **Li-ion** battery mode
- Setup, configuration and readout of voltage and current by **Bluetooth Smart**



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. Once the battery is fully charged, power consumption reduces to 0.5 watts, up to five to ten times better than the industry standard.

Durable, safe and silent

- Low thermal stress on the electronic components.
- Protection against ingress of dust, water and chemicals.
- Protection against overheating: the output current will reduce as temperature increases up to 60 °C, but the charger will not fail.
- The chargers are totally silent: no cooling fan or any other moving parts.

Reconditioning

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

Recovery function for fully discharged batteries

Most reverse-polarity-protected chargers will not recognise, and therefore not recharge, a battery which has been discharged to zero or nearly zero volts. The **Blue Smart IP65 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.

The VictronConnect app

Setup, readout and configure your **Blue Smart IP65 Charger** via your smartphone. You can display the status of your charger and battery and even control the functions of your charger using the VictronConnect app.

Download your app for iOS and Android at: <https://www.victronenergy.com/live/victronconnect:start>



Storage mode: less corrosion of the positive plates

Even the lower float charge voltage that follows the absorption period will cause grid corrosion. It is therefore essential to reduce the charge voltage even further when the battery remains connected to the charger for more than 48 hours.

Temperature-compensated charging

The optimal charge voltage of a lead-acid battery varies inversely with temperature. The **Blue Smart IP65 Charger** measures ambient temperature during the test phase and compensates for temperature during the charge process. The temperature is measured again when the charger is in low-current mode during float or storage. Special settings for a cold or hot environment are therefore not needed.

Li-ion battery mode

The **Blue Smart IP65 Charger** uses a specific charging algorithm for Li-ion (LiFePO₄) batteries, with automatic Li-ion under-voltage protection reset.

Blue Smart IP65 Charger Guide								
	12 V					24 V		
	4 & 5 A	7 A	10 A	15 A	25 A	5 A	8 A	13 A
Battery Size Ah	20 - 50	20 - 70	30 -100	50 - 150	80 - 250	20 - 50	30 - 80	50 - 130
Your IP65 Charger	12/4 & 5	12/7	12/10	12/15	12/25	24/5	24/8	25/13
Scooter	●	●	●	●				
Motorbike	●	●	●	●				
Classic	●	●	●	●	●			
Modern	●	●	●	●	●			
RV	●	●	●	●	●	●	●	●
Truck						●	●	●
Boat	●	●	●	●	●	●	●	●

● Recommended
This is the best charger for this type of battery. The battery will be charged in the most efficient way.

● OK
This charger can be used for this battery. It is possible that it takes longer to charge the battery than using a recommended charger.



Included



Clamps



M8 Eyelets

Optional



Fused Clamps



Fused M6 or M8 Eyelets



2 m Extension Cable



Autoplug



12 V MagCode Power Clip



Battery Indicator Panel



Battery Indicator M8 Eyelet



Carry Case for Blue Smart IP65 Chargers and Accessories



Wall Mount



Rubber Bumper

Blue Smart IP65 Charger	12 V - 4 / 5 / 7 / 10 / 15 / 25 A	24 V - 5 / 8 / 13 A
Input Voltage	230 Vac	
Efficiency	94%	95%
Standby Power Consumption	0.5 w	
Minimum Battery Voltage	Starts charging from as low as 0 V	
Charge Voltage 'Absorption'	Normal: 14.4 V High: 14.7 V Li-ion: 14.2 V	Normal: 28.8 V High: 29.4 V Li-ion: 28.4 V
Charge Voltage 'Float'	Normal: 13.8 V High: 13.8 V Li-ion: 13.5 V	Normal: 27.6 V High: 27.6 V Li-ion: 27.0 V
Charge Voltage 'Storage'	Normal: 13.2 V High: 13.2 V Li-ion: 13.5 V	Normal: 26.4 V High: 26.4 V Li-ion: 27.0 V
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
Can be used as Power Supply	Yes	
Back-Current Drain	0.7 Ah/month (1 mA)	
Protection	Reverse polarity output short-circuit over temperature	
Operating Temp. Range	-40 °C to +60 °C (full rated output up to 30 °C) (cables retain flexibility at low temperature)	
Humidity (Non-Condensing)	Max 95%	
ENCLOSURE		
Battery Connection	Black and red cable of 1.5 meter	
230 Vac Connection	Cable of 1.5 meter with CEE 7/7, BS 1363 plug (UK) or AS/NZS 3112 plug	
Protection Category	IP65 (splash and dustproof)	
Weight	IP65 12 V 25 A 24 V 13 A: 1.9 kg Other: 0.9 kg	
Dimensions (h x w x d)	IP65s 12 V 4/5 A: 45 x 81 x 182 mm IP65 12 V 7 A 24 V 5 A: 47 x 95 x 190 mm IP65 12 V 10/15 A 24 V 8 A: 60 x 105 x 190 mm IP65 12 V 25 A 24 V 13 A: 75 x 140 x 240 mm	
STANDARDS		
Safety	EN 60335-1, EN 60335-2-29	
Emission	EN 55014-1, EN 61000-6-3, EN 61000-3-2	
Immunity	EN 55014-2, EN 61000-6-1, EN 61000-6-2, EN 61000-3-3	

These may not be stock items. Please speak to our representative about lead times. Lead times, price and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days.

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Call us today!


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