

Optional



Carry Case for Blue Smart IP65 Chargers and accessories



	Blue Smart IP65 Charger	12 V 4/5/7/10/15/25 A	24 V 5/8/13 A						
	Input voltage	230 V	AC						
	Efficiency	94% 95%							
	Standby power consumption	0,5 W							
	Minimum battery voltage	Starts charging fro	om down to 0V						
	· ·	Normal: 14,4 V	Normal: 28,8 V						
	Charge voltage 'absorption'	High: 14,7 V	High: 29,4 V						
		Li-ion: 14,2 V	Li-ion: 28,4 V						
		Normal: 13,8 V	Normal: 27,6 V						
	Charge voltage 'float'	High: 13,8 V High: 27,6 V							
		Li-ion: 13,5 V	Li-ion: 27,0 V						
		Normal: 13,2 V	Normal: 26,4 V						
	Charge voltage 'storage'	High: 13,2 V	High: 26,4 V						
		Li-ion: 13,5 V	Li-ion: 27,0 V						
	Charge current	4/5/7/10/15/25A	5/8/13A						
	Low current mode	2/2/2/3/4/10A	2/3/4A						
	Temperature compensation	16 mV/°C	32 mV/°C						
	(lead-acid batteries only)	101111/7 C	32 IIIV/°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 to +60°C (full rated output up to 30°C)							
	Operating temp. range	(cables retain flexibility at low temperature)							
	Humidity (non-condensing)	Max 95%							
	ENCLOSURE								
	Battery-connection Black and red cable of 1,5 meter								
	230 V AC-connection	Cable of 1,5 meter with							
	230 v AC-connection	CEE 7/7, BS 1363 plug (UK) or AS/NZS 3112 plug							
	Protection category	IP65 (splash and dust proof)							
	Weight	IP65 12V 25A 24V 13A: 1,9kg							
	Weight	Other: 0,9kg							
		IP65s 12V 4/5A : 45x81x182mm							
	Dimensions (h x w x d)	IP65 12V 7A 24V 5A: 47x95x190mm							
		IP65 12V 10/15A 24V 8A: 60x105x190mm							
		IP65 12V 25A 24V 13A: 75x140x240mm							
		STANDARDS							
	Safety	EN 60335-1, EN 60335-2-29							
	Emission	EN 55014-1, EN 61000-6-3, EN 61000-3-2							
No.	Immunity	EN 55014-2,EN 61000-6-1, EN 61000-6-2, EN 61000-3-3							
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www.victronenergy.com

Customer support: sales@victronenergy.com

Blue Smart Charger
The professional's choice



Energy.

- Seven step smart charge algorithm
- Recovery of 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 and configure, readout of voltage and current by **Bluetooth Smart**





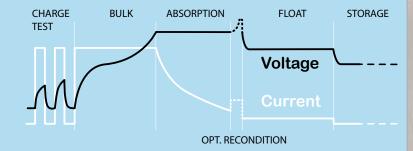


Ultra high efficiency "green" battery charger

With up to 95% efficiency, these chargers generate up to four times less heat when compared to the industry standard. 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

- 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 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

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 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. On your screen the readout of voltage and current is default available.

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



STORAGE



STORAGE

1 week

Storage mode: less corrosion of the positive plates

REFRESH

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 during 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.

Guide argel Charge Blue Smart IP65 **IP65**

∞	، 30-8	24						
5 A	20-50 Ah	24/5						
25 A	80-250Ah	12/25						
15 A	50 - 150 Ah	12/15	•		•			
10 A	20 - 70 Ah 30 - 100 Ah	12/10						
7 A		12/7						
4 & 5 A	20 - 50 Ah	12/4 & 5	•					
	Battery size Ah	Your IP65 Charger »		20	ZLASSIC CALL	MODERN (40	F

