

VICTRON Blue Smart IP65 Charger 12/10

Product Code: **BPC121031014R**



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Victron 12V 10A IP65 BlueSmart Battery Charger - Bluetooth Control with 230V Australian & New Zealand power plug.

Smart Battery Charger, Water, dust & chemical resistant, 7-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 & configure, readout of voltage & current by Bluetooth Smart

Comes with Connect Clamps & M8 Connectors

Download your app for IOS & Android at <https://www.victronenergy.com/liive/victronconnect>

Ultra high efficiency "green" battery charger

With up to 50% efficiency, these chargers generate up to 4 times less heat when compared to the industry standard. And once the battery is fully charged, power consumption reduces to 0.5Watt, some five to ten times better than industry standard.

Durable, Safe & Silent

Low thermal stress on the electronic components

Protection against ingress of dust, water & chemicals

Protection against overheating: the output current will reduce as temperature increases up to 60°C, but the charger will not fail.

The charger 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 voltage.

Recovery function for fully discharged batteries

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

The VictronConnect app

Setup, readout & configure your Blue Smart IP65 Charger via your smartphone.

You can display the status of your charger & battery & even control the functions of your charger using the VictronConnect app. On your screen the readout of the voltage & current is default available.

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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 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 & 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 Charger uses specific charging algorithm for Li-ion (LiFePO₄) batteries with automatic Li-ion under voltage protection reset.

Victron 12V 10A IP65 BlueSmart Battery Charger Specifications

Input voltage range 180-265 VAC

Efficiency 94%

Standby power consumption 0.5W

Charge voltage absorption Normal: 14.4V, High: 14.7V, Li-ion: 14.2V

Charge voltage float Normal: 13.8V, High: 13.8V, Li-ion: 13.5V

Charge voltage storage Normal: 13.2V, High: 13.2V, Li-ion: 13.5V

Charge current 10A

Low current mode 3A

Temperature compensation (lead-acid batteries only) 16 mV/°C

Can be used as a power supply Yes

Back current drain 0.7 Ah/month (1mA)

Protection Reverse polarity, Output short circuit protection, Over temperature

Operating temp. range -30 to +50°C (full rated output up to 30°C) (cables retain flexibility at low temperature)

Humidity Max 95%

Victron 12V 10A IP65 BlueSmart Battery Charger Enclosure

Battery-connection Black & red cable of 1.5 meter with 20A DC connector, Battery clamps and M8 eyelets

230V AC-connection Cable of 1.5 Meter with AS/NZ 3112 plug

Protection category IP65 (Splash & dustproof)

Weight 0.9KG

Dimensions (H x W x D) 60 x 105 x 190mm

Victron 12V 10A IP65 BlueSmart Battery Charger 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

Attachments

[Victron 12V 10A IP65 BlueSmart Battery Charger Brochure](#)