

Automotive IP65 Battery Charger 6V/12V-1,1A with DC connector

200-265 VAC

www.victronenergy.com



DC connector

Depending on the application, clamps, eyelets or a cigarette plug (all included) can be connected to the charger.

Charges 6V and 12V batteries

The charger will automatically adapt its charge algorithm to 6V or 12V batteries

Protected against overheating and reverse polarity connection

The output current will reduce as temperature increases up to 40°C, but the charger will not fail. Output relay protects against reverse polarity connection.

Eight LED's for status and mode indication

When connected to the AC supply the STAND-BY LED will turn on. No voltage will be present at the output. After connection to a battery (battery voltage must exceed 2V in case of a 6V battery and 7V in case of a 12V battery), charging is initiated by pressing the MODE button.

The state of charge of the battery is indicated by 4 LED's:

1. Red LED marked 25% flashing: state of charge less than 25%.
 2. Red LED marked 25% on, and red LED marked 50% flashing: state of charge less than 50%.
 3. Red LED's on, and yellow LED marked 75% flashing: state of charge less than 75%.
 4. Red and yellow LED's on and green LED marked 100% flashing: battery nearly charged.
 5. All charge level LED's solid on: battery fully charged.
- Flooded, AGM or GEL batteries. Ambient temperature below 10°C, or batteries requiring a higher charge voltage (OPTIMA spiral cell batteries for example).

In case of reverse polarity connection, the orange LED ! will turn on after pressing the MODE button.

If the red LED STANDBY remains on, even after pressing the MODE button, the connection to the battery is interrupted.

The charger always starts in STANDBY mode when connected to the AC supply.

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).

Automotive IP65 Charger	
Input voltage range	200-265 V
Frequency	50/60Hz
Charge voltage	7,2 or 14,4 V
Battery capacity range	1,2 Ah – 30 Ah
Charge current	1,1 A max.
Can be used as power supply	No (output relay)
Back current drain	3 Ah/month (4 mA)
Protection	Reverse polarity, temperature
Operating temp. range	-20 to +40°C (full rated output up to 25°C)
Humidity (non condensing)	Max 95 %
ENCLOSURE	
Material & Colour	PC Black
Battery-connection	Black and red cable of 1,2 meter. Connects to battery clamps, M6 eyelets or 12 V plug (included)
230 V AC-connection	Cable of 1,5 meter with CEE 7/7 plug
Protection category	IP65
Weight	0,56 kg
Dimensions (h x w x d)	42 x 61 x 185 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



Automotive IP65 Battery Charger 12V/4A - 12V/0,8A with DC connector

200-265 VAC

www.victronenergy.com

DC connector

Depending on the application, clamps, eyelets or a cigarette plug (all included) can be connected to the charger.

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 13,2 V to minimize 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 reverse polarity connection

The output current will reduce as temperature increases up to 40°C, but the charger will not fail. Output relay protects against reverse polarity connection.

Five LED's for status and mode indication

When connected to the AC supply the STAND-BY LED will turn on. No voltage will be present at the output. After connection to a battery (battery voltage must exceed 8,5V), a choice can be made out of three charge profiles with the MODE button:

1. Current limited to 0,8A and 14,4V absorption voltage. The red LED **<14Ah** will be on.
2. Current 4A and 14,4V absorption voltage. The red LED **>14Ah** will be on.
Application: Flooded, AGM or GEL batteries. Ambient temperature 10-35°C.
3. Current 4A and 14,7V absorption voltage. The red LED **COLD** will be on.
Application: Flooded, AGM or GEL batteries. Ambient temperature below 10°C, or batteries requiring a higher charge voltage (OPTIMA spiral cell batteries for example).

Until the battery is fully charged, the red LED **CHARGE** will be on.
After completion of the charge process, the red LED **FULL** will be on.

In case of reverse polarity connection, the red LED **!** will be on

If the red LED **STANDBY** remains on, even after pressing the MODE button, the connection to the battery is interrupted.

The charger always starts in **STANDBY** mode when connected to the AC supply.

Learn more about batteries and battery charging

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Automotive IP65 Charger

Input voltage range	200-265 V
Frequency	50/60Hz
Charge voltage 'absorption'	14,4 or 14,7 V
Charge voltage 'float'	13,6 V
Charge voltage 'storage'	13,2 V
Charge current	4 A or 0,8 A
Can be used as power supply	No [output relay]
Back current drain	0,25 Ah/month (0,3 mA)
Protection	Reverse polarity, temperature
Operating temp. range	-20 to +40°C (full rated output up to 25°C)
Humidity (non condensing)	Max 95 %

ENCLOSURE

Material & Colour	PC Black
Battery-connection	Black and red cable of 1,2 meter. Connects to battery clamps, M6 eyelets or 12 V plug (included)
230 V AC-connection	Cable of 1,5 meter with CEE 7/7 plug
Protection category	IP65
Weight	0,56 kg
Dimensions (h x w x d)	42 x 61 x 185 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