







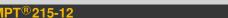




The MPT® Xtra charge controllers are especially developed to realize solar systems with a higher solar voltage. Standard charge controller are not suitable. On the market there is available a wide range of low-cost solar modules with 48 up to 72 cells with a higher voltage.

Installation time and effort is reduced because of the advantage of the series wiring of the solar modules.

In addition the Xtra MPT® charge controllers generate a higher electric power yield as well during diffused light and when the solar module temperature is high.





DC-input (solar)

Technical Data

Maximum power 215W Maximum voltage 58V

Recommended MPP-voltage 20V to 42V

Maximum current 14A

DC-output (battery)

System voltage 12V Voltage range 9.5V to 16V

Maximum charging current (nom. power)

Types of battery

Final charging voltage

Final charging voltage Lithium-Ion

20A

Display

Protective Devices

Derating overtemperature of the device

Interface

Features

1 LED: red

reverse current, overvoltage (fine protection), overtemperature, overload, reverse battery, short-circuit, overcurrent

Lead-Gel, AGM, Acid, Lithium-Ion (adjustable)

>50°C

BATCONTROLLER®E, TTL serial, BMS, temperature sensor KTY, external LED

General Data

Efficiency **Parallel Operation**

Self-consumption

Cooling method

Degree of protection (IEC60529)

Temperature range (nom. power)

Dimensions (W/H/D)

Weight **Enclosure**

Recommended wire cross section

Certificate

<97%

up to 8 charge controllers

13,5V to 14,7V (adjustable)

14,4V at delivery, factory modifiable

0.12W/10mA

passive cooling, without fan

IP20

-25°C to +50°C

155mm/132mm/68mm

0,7kg

aluminium, coated

 6mm^2

conformity EMC89/336/EEC