













Rough environmental condition -Fine! The charge controllers with IP65 protection are reliable even with existance of dust, sand, humidity or insects.

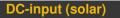
The MPT® Xtra charge controllers are especially developed to realize solar systems with a higher solar voltage. Standard charge controller are not suitable. On the market there is available a wide range of low-cost solar modules with 48 up to 72 cells with a higher voltage.

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

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



## **Technical Data**



Maximum power

Maximum voltage

Recommended MPP-voltage

Maximum current

System voltage

Voltage range

Maximum charging current (nom. power)

Types of battery

Final charging voltage

Final charging voltage Lithium-Ion

440W

58V

33V to 42V

14A

# **DC-output (battery)**

24V

16V to 32V

22A

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

SOLAR

27V to 29,4V (adjustable)

28,8V at delivery, factory modifiable

### **Features**

Display

**Protective Devices** 

Derating overtemperature of the device

Interface

1 LED: green

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

>50°C

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

# **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

<99%

up to 8 charge controllers

0,24W/10mA

passive cooling, without fan

IP65

-25°C to +35°C

275mm/192mm/85mm

3kg

steel, coated

6mm<sup>2</sup>

conformity EMC89/336/EEC

