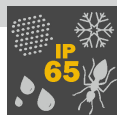




Made in
Germany

MSTE SOLAR



**5 Years
Warranty**

MPT[®] Up

Charge Controller

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

The MPT[®] Up are the ideal upward charge controllers for small modules (36 cells) with 12V solar voltage.

The MPT[®] Up are unique: in case of low irradiation conventional charge controller stop charging. But the MPT[®] Up are still working! The MPT[®] Up charge controllers change into pulsed operation, the solar power will be collected and pulsed to the battery. The energy yield is increased.

Quite remarkable is the very small self-consumption at night with less than 0,15mA!

| MPT [®] 250-48-Li | |
|---------------------------------------|---|
| Technical Data | |
| DC-input (solar) | |
| Maximum power | 250W |
| Maximum voltage | 28V |
| Recommended MPP-voltage | 16,5V to 19V |
| Maximum current | 16A |
| DC-output (battery) | |
| System voltage | 48V |
| Voltage range | 10V to 60V |
| Maximum charging current (nom. power) | 5A |
| Types of battery | Lithium-Ion |
| Final charging voltage Lithium-Ion | 57,6V at delivery, factory modifiable |
| Features | |
| Display | 1 LED: green |
| Protective Devices | reverse current, overvoltage (fine protection) , reverse battery (external), short-circuit (external), overcurrent (external) |
| Interface | BMS |
| General Data | |
| Efficiency | <96% |
| Parallel Operation | up to 8 charge controllers |
| Self-consumption | 0,007W/0,15mA |
| Cooling method | passive cooling, without fan |
| Degree of protection (IEC60529) | IP65 |
| Temperature range (nom. power) | -25°C to +35°C |
| Dimensions (W/H/D) | 275mm/192mm/85mm |
| Weight | 2,8kg |
| Enclosure | steel, coated |
| Recommended wire cross section | 4mm ² |
| Certificate | conformity EMC89/336/EEC |