



Made in
Germany

MSTE SOLAR



**5 Years
Warranty**

MPT[®] Mini

Charge Controller

The MPT[®] Mini is the ideal charge controller on a very high technical level for small solar off-grid systems. MPT[®] Mini is characterized by his minimal self-consumption, the very compact design, the highest product reliability and his extremely high efficiency. Already with a solar power input of only 12W the efficiency of the charger is 93%. His maximum efficiency is about 98%.

The MPT[®] Mini is our smallest step-down charge controller with Maximum-Power-Point-Tracking technology for solar systems with 12V battery systems up to a power of 120W: a compact, powerful and handy charge controller.

MPT [®] 120-12	
Technical Data	
DC-input (solar)	
Maximum power	120W
Maximum voltage	28V
Recommended MPP-voltage	16,5V to 19V
Maximum current	7A
DC-output (battery)	
System voltage	12V
Voltage range	9,5V to 16V
Maximum charging current (nom. power)	9A
Types of battery	Lead-Gel, AGM, Acid
Final charging voltage	14,2V
Features	
Display	2 LED: green, yellow
Protective Devices	reverse current, overvoltage (fine protection) , over-temperature, reverse battery (external), short-circuit (external), overcurrent (external)
General Data	
Efficiency	<98%
Parallel Operation	up to 8 charge controllers
Self-consumption	0,001W/0,12mA
Cooling method	passive cooling, without fan
Degree of protection (IEC60529)	IP30
Temperature range (nom. power)	-25°C to +50°C
Dimensions (W/H/D)	100mm/89mm/43mm
Weight	0,22kg
Enclosure	plastic material
Recommended wire cross section	2,5mm ²
Certificate	conformity EMC89/336/EEC