

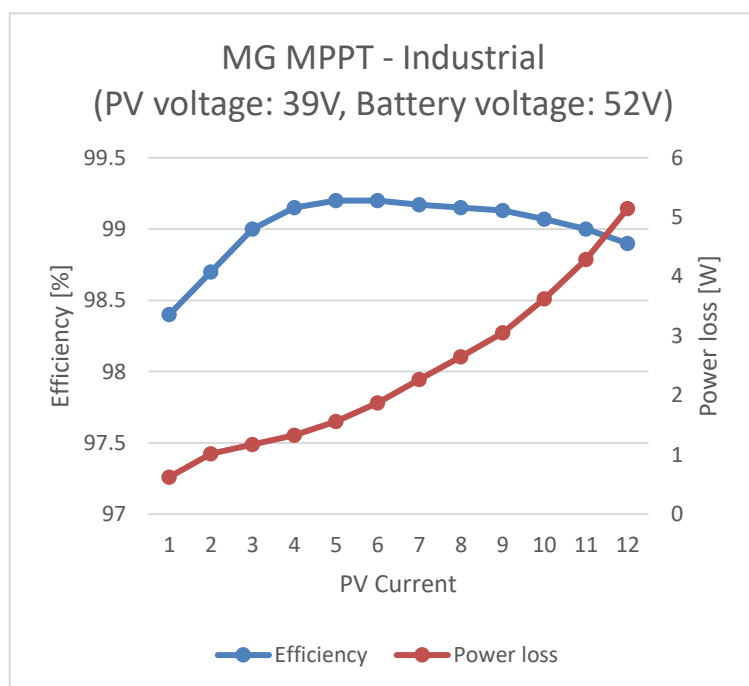
MG Solar MPPT - Industrial



The MG Solar MPPT is a charge controller with Maximum Power Point Tracking (MPPT) function. The converter is based on a boost topology. With the MG Solar MPPT, the maximum energy is harvested from the solar panel and transformed so a battery bank with a higher voltage can be charged.

Advantages of the MG Solar MPPT - Industrial

- Ultra-fast MPPT algorithm that anticipates on fast changes in light intensity;
- High converter and tracking efficiency;
- MCU power supplied by the battery;
- Low quiescent current when in shutdown;
- Suitable to charge Lithium-Ion batteries;
- On/Off control by switching the CAN-Bus supply voltage;
- CAN-Bus interface;
- Power level control for adjusting charge power if the battery is fully charged;



Technical specifications

MG Solar MPPT - Industrial	
PV input voltage range	22 – 50VDC*
Input power range	2 – 500W*
Battery voltage range	30 – 80 VDC*
Maximum input current	12 A*
Output voltage (charge voltage)	Configurable*
Peak efficiency	99,1 %
Output to input ratio range	1,0 – 3,5
Operating temperature	-20 to +50 °C
Weight	270 g (max)*

*Depends on system setup