

MPPT charge controller

MXC / 3kW



FEATURES

- Continuous maximum power point tracking,
- Compatible with 12V, 24V and 48V systems,
- Compatible with lead-acid and nickel-cadmium batteries,
- 3-step battery charging,
- Charging current upto 60A,
- PV open circuit voltage upto 145V,
- PV power upto 3.2kW,
- Controller efficiency 98%,
- Connectivity to PC,
- Built-in temperature sensors.



ABi-Solar MXC 3kW MPPT charge controller was designed for large residential and industrial off-grid solar systems.

MXC 3kW is compatible with any type of PV modules that are capable of charging the lead-acid and nickel-cadmium batteries with nominal voltages of 12V, 24V and 48V.

Built-in temperature sensors, along with 3-step battery charging, allow the controller to optimize the performance of the batteries while protecting them from overcharging and deep discharge.

You can monitor the status of your solar power system utilizing the built-in display or with a PC connected to the charging controller via the communication port.

INPUT DC (PV)

TMM operating voltage	60 ... 115V		
Maximum open circuit voltage	145V		
PV maximum current	50A		
PV maximum power	800W	1600W	3200W

OUTPUT DC (BATTERIES)

Rated voltage	12V	24V	48V
Battery type	FLA, GEL, AGM, NiCd		
Charge current	60A		
Efficiency	98%		

PHYSICAL PARAMETERS

Dimensions (AxBxC)	315x165x128 mm		
Weight	4,5 kg		
Protection rating	IP31		

INTERFACE

Standard options	RS-232/Dry-Contact
Extra options	USB, Modbus, SNMP

OPERATING ENVIRONMENT

Humidity	5~95%
Operating temperature	0 °C ~ 55 °C
Storage temperature	-15 °C ~ 50 °C

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