



DOMETIC

60/10 MPPT SOLAR CONTROLLER



MAXIMIZE SOLAR CHARGING WHILE KEEPING YOUR BATTERY SAFE



GP-MPPT-60/10

ULTIMATE BATTERY PROTECTION

Solar Controller maintains the life of the battery by protecting it from overcharging. When your battery has reached a 100% state of charge, the controller prevents overcharging by limiting the current flowing into the batteries from your solar array.

The GP-MPPT-60/10 optimizes solar charging capacity in mobile systems in all sun and tilt conditions while allowing the use of simpler series wiring configurations up to 100V (Voc @ STC).

SPECIFICATIONS

Nominal System Voltage	12/24VDC Auto (N/A to Lithium)
Max Solar Array Current	10A
Rated Charge Power	130W/12V 260W/24V
Max. PV open circuit voltage	60V (at min operating temperature) 46V (at 25°C temperature)
Operating Consumption	≤13mA/12V; ≤11.5mA/24V
Operating Temperature	- 40 to 140°F / - 40 to 60°C
Temp. Compensation Coefficient	-3mV/°C / 2V (N/A to Lithium)
Battery Type	Sealed (Default) / Gel / Flooded/User; LiFePO4 / Li-NiCoMn/User
MPPT Voltage Range	(Battery voltage + 2V) to 36V
Dimensions (H x W x D):	4.90 X 4.36 X 1.18IN; 124 X 111 X 30MM
Weight	19.04 oz; 540 g
Maximum Wire Gauge:	#14 AWG
Warranty	5 Years
Protection	IP67
Communication	RS485

FEATURES:

- Advanced multi-peak tracking technology, allowing for better charging in shaded areas
- Maximum power point tracking (MPPT) charging for higher energy efficiency, as much as to 20% more than traditional PWM charging
- MPPT tracking allows up to 99.9% efficiency.
- Energy conversion efficiency up to 98%
- Supports lithium, sealed, vented, AGM, and flooded Lead Acid batteries
- Current-limited charging mode
- Automatic lead-acid battery voltage detection
- LED indicators
- Built-in over-temperature protection
- Temperature compensation and automatic adjustment of charge and discharge parameters
- Solar panel short circuit protection
- Battery open circuit protection
- TVS transient protection.
- IP67 (waterproof) rated.
- RS485 connection
- Aluminum housing
- **5-year warranty**