

MPPT 60 150 solar charge controller

MPPT multi-stage charging, better battery life

The MPPT 60 150 is a photovoltaic (PV) charge controller that tracks the maximum power point of a PV array to deliver the maximum available current for charging batteries. When charging, the MPPT 60 150 regulates battery voltage and output current based on the amount of energy available from the PV array and state-of-charge of the battery.

Why choose MPPT 60 150?



True bankability

- Warranty from a trusted partner with over 177 years of experience
- World leader in industrial power drives, UPS and electrical distribution
- Strong service infrastructure worldwide to support your global needs



Higher return on investment

- Maximum Power Point Tracking (MPPT) algorithm continually seeks the maximum power available from the PV array
- Improve battery life with selectable multi-stage temperature compensated charging
- Five-year standard warranty



Flexible

- Stand-alone application or full integration with Conext XW and Conext SW inverter charger system
- Compatible with any brand of floating or negative grounded Module
- Available remote monitoring and configuration



Easy to install

- Configurable auxiliary output
- LCD screen with face plate buttons for configuration and system monitoring
- Integrated PV ground fault protection for negative grounded arrays



Product applications



Residential, backup power and grid-tie



Off-grid solar



Community electrification

Device short name	MPPT 60 150
Electrical specifications	
Nominal battery voltage	12, 24, 36, 48, 60V
Battery voltage operating range	0V d.c. to 80V d.c.
Max. PV array voltage (operating)	140V
Max. PV array open circuit voltage	150V including temperature correction factor
Max. array short-circuit current	60A (48A @ STC)
Max. charge current	60A (for all battery voltages except 60V)
Max. and min. wire size in conduit	#6 AWG to #14 AWG (10 to 2.5mm ²)
Max. output power	3500W
Charger regulation method	Three-stage (bulk, absorption, float) plus manual equalisation Two-stage (bulk, absorption) plus manual equalisation
Supported battery types	Flooded, GEL, AGM, Custom
Efficiency	
Max. power conversion efficiency	93% (nominal 12V), 96% (nominal 24V), 97% (nominal 36V), 98% (nominal 48V), 99% (nominal 60V)
General specifications	
Power consumption, night time	2.5W
Battery temperature sensor	Included
Auxiliary output	5 - 13V, up to 200mA
Enclosure material	Indoor, ventilated, sheet metal chassis with 2.2cm and 2.8cm (7/8in and 1in) knockouts and aluminium heat-sink
IP degree of protection	IP20
Product weight	4.8kg (10.8lb)
Shipping weight	8.0kg (17.6lb)
Product dimensions (H x W x D)	36.8 x 14.6 x 13.8cm (14.5 x 5.8 x 5.5in)
Shipping dimensions (H x W x D)	48.3 x 22.9 x 35cm (19.0 x 9.0 x 9.8in)
Device mounting	Vertical wall mount
Ambient air temperature for operation	-20°C to 45°C (-4°F to 113°F)
Storage temperature range	-40°C to 85°C (-40°F to 185°F) full power, power derating above 45°C
Operating altitude	Sea level to 2000m (6562ft)
System network and remote monitoring	Available
Warranty	Five-year standard
Part number	865-1030-1
Features	
Display type	LCD, 2 lines 16 digits
Regulatory approval	
Safety	CSA Certified (UL1741, CSA 107.1) and CE Marked for the Low Voltage Directive (EN50178)
EMC	FCC and Industry Canada (Class B), CE Marked for the EMC Directive (EN61000-6-1, -6-3), C-Tick compliant

Specifications are subject to change without notice.

MPPT 60 150 solar charge controller works with the following Schneider Electric products



Conext XW inverter/charger (230V/50Hz)
 XW 4024 Product no. 865-1045-61
 XW 4548 Product no. 865-1040-61
 XW 6048 Product no. 865-1035-61



Conext SW inverter/charger
 SW 2524 230 Product no. 865-2524-61
 SW 4024 230 Product no. 865-4024-61



System Control Panel (SCP)
 Product no. 865-1050



Automatic Generator Start (AGS)
 Product no. 865-1060



Conext Combox communication device
 Product no. 865-1058