



## Schneider Electric Xantrex™ XW MPPT 80 600 Solar Charge Controller

The Xantrex XW MPPT 80 600 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 XW MPPT 80 600 regulates the battery voltage and output current based on the amount of energy available from the PV array and present state-of-charge of the battery. The XW MPPT 80 600 accepts PV array voltages up to 600V; significantly reducing system wiring gauges and conduit costs.

### Features

- High DC voltage input allows increased installation flexibility and allows long wiring distances from the PV array to the controller
- Can be used with 24 and 48V battery systems
- Maximum Power Point Tracking MPPT delivers maximum available power from PV array to battery bank
- Configurable for positive, negative, and ungrounded PV systems
- Integrated PV ground fault protection
- Full output power of 4800W up to 45°C without de-rating
- Configurable Auxiliary output
- Input over-voltage and under-voltage protection, output over current protection, and backfeed (reverse current) protection
- Over-temperature protection and power derating when ambient temperatures are high
- Battery Temperature Sensor included – automatically provides temperature-compensated battery charging
- Xanbus™ – enabled network communications protocol allows settings and activity to be communicated to other Xanbus-enabled devices, such as the XW Hybrid Inverter/Charger, the XW System Control Panel (SCP), XW Automatic generator start (XW AGS) and other XW Solar Charge Controllers
- Can be installed in a stand-alone mode with XW System Control Panel (XW SCP) (sold separately)
- Five-Year Warranty

## Xantrex™ XW MPPT 80 600 Solar Charge Controller

### Electrical specifications

Nominal battery voltage	24 and 48 V (Default is 48 V)
Max. PV array voltage (operating)	195 to 550 V
Max. PV array open circuit voltage	600 V
Array short-circuit current	28 A @ STC
Max. and min. wire size in conduit	#6 AWG to #14 AWG (13.5 to 2.5 mm <sup>2</sup> )
Charger regulation method:	Three stage (bulk, absorption, float) Two stage (bulk, absorption)
Night time tare loss	< 1 W

### General specifications

Enclosure	Indoor, ventilated, aluminum sheet metal chassis with 22.22 mm and 27.76 mm (7/8 in and 1 in) knockouts and aluminum heat sink
Weight	13.5 kg (29.8 lb)
Shipping weight	17.4 kg (38.3 lb)
Dimensions (H x W x D)	76 x 22 x 22 cm (30 x 8.625 x 8.625 in)
Shipping dimensions (H x W x D)	87 x 33 x 27 cm (34.3 x 13 x 10.6 in)
Mounting	Vertical wall mount
Operating temperature range	-20°C to 65°C (-4°F to 149°F), power derating above 45°C
Storage temperature range	-40°C to 85°C (-40°F to 185°F)
Altitude limit (operating)	Sea level to 2000 m (6562 ft)
Warranty	Five Years
Part number	865-1032

### Regulatory approvals

Certified to UL1741: 2nd Ed and to CSA 107.1-01

Specifications are subject to change without notice.



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