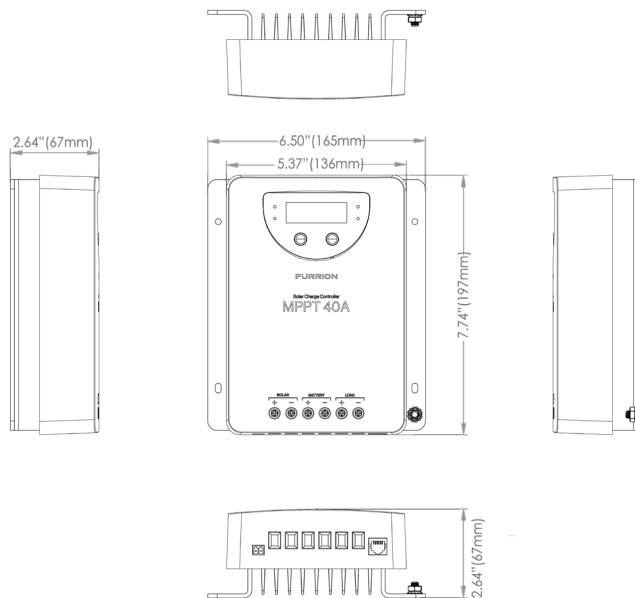


40A Wall Mount MPPT Solar Charge Controller with BT APP



Specifications

Nominal System Voltage	12V / 24V
Max. input PV Power (Pmax)	520W / 1040W
Max. PV Open Circuit Voltage (VOC)	100V (-40°F / -40°C), 95V (77°F / 25°C)
Max. MPPT Charging Current	40A
MPPT Tracking Efficiency	99%
Max. Charge Conversion Efficiency	98%
ECO Mode Current Consumption	≤14mA
Day / Night Threshold Voltage	3.0~10.0 (Default: 8V)
Charging Mode (four charging stage)	MPPT charge, Boost Charge, Float Charge, Equalize Charge
Compatible Battery Types	Gel, AGM, Liquid, Lithium (Default: Liquid)
Max. Voltage on Battery Terminal	35V
LED Indications	YES - Solar, Battery, Bluetooth, and Load
LCD Screen	YES
Built-In Bluetooth	YES
Automatic Temperature Compensation	YES {-4.17mV/K per cell (Boost, Equalization), -3.33mV/K per cell (Float)}
Battery Over Charging Protection	YES
PV Reverse Protection	YES (MOSFET Type)
Battery Reverse Protection	YES (MOSFET Type)
Over Temperature Protection	YES
Auxiliary Load Terminals	YES (Rated for 30A)
Auxiliary Load Modes	Always on, Street lamp, User-defined Mode (Default: Always OFF)

Specifications (Cont'd)

Grounding	Common Negative Type, (M6 size)
Terminal Max. Wire Size	6 AWG
Communication Port	RS485 (RJ11 interface)
Operating Temperature Range	-4°F to 131°F (-20°C to 55°C)
Storage Temperature Range	-13°F to 176°F (-25°C to 80°C)
Ingress Protection	IP32
Compliance Standards	UL 1741, CSA 22.2, FCC Part 15

Dimensions & Weight

Product Dimension (W x H x D)	6.50 x 7.44 x 2.64" (165 x 197 x 67 mm)
Individual Packaging Dimension (W x H x D)	7.01 x 9.26 x 3.07" (178 x 235 x 78mm)
Master Carton Dimension (W x H x D)	17.32 x 18.90 x 11.42" (440 x 480 x 290mm)
Quantity Per Box (pcs)	1pc/Box, 14pcs in one Master Carton.
Net Weight (lbs / kg)	2.87 lbs/1.3 kg
Gross Weight (lbs / kg)	3.31lbs (1.5kg)



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