

MPPT-300-14.6 : 300W MPPT Solar Charge Controller for Lithium



Price: CAD \$69.99

SKU: PXPMPPT-300

Product Categories: [Charge Controllers](#), [MPPT : 10A-19A](#), [MPPT : 20A-29A](#), [Shop](#)

Product Tags: [24A](#), [300w](#), [50V](#), [canada](#), [lfp batteries](#), [lithium](#), [lithium solar charge controller](#), [MPPT](#), [mppt-300](#), [mppt-300-14.6](#), [powerwerx](#), [powerwerx mppt canada](#), [powerwerx mppt-300-14.6 canada](#), [solar charge controller for lithium](#), [solar controller](#), [solar lfp](#)

Product Page: <https://www.modernoutpost.com/product/mppt-300-14-300w-mppt-solar-charge-controller-for-lithium/>

Product Summary

The Powerwerx MPPT-150-14.6, DC-to-DC Solar Charger Controller for [Bioenno](#)], [RELiON](#)], & other 12V LiFePO4 Batteries. Rated at 300 watts, the MPPT-300-14.6 solar controller is designed for charging drop-in lead-acid replacement Lithium batteries & equivalent LFP batteries. This is a cost-effective controller for smaller single & multiple panel systems.

Product Description

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Input DC range from 20-50 VDC (check your panel's MPP output spec). We recommend series solar module configurations not exceed 46V Voc in ambient temperatures below 10C.

Output is a constant 14.6 VDC. Rated at 24 Amps maximum. Smart charge controller design will automatically adjust charging output as required by batteries, no user adjustment needed.

The Powerwerx MPPT-300-14.6 is a basic MPPT (maximum power point tracking) controller. It converts higher solar panel voltages down to 14.6 VDC while preserving total power output, making it more suitable for charging LifePO4 type batteries in sub-optimal daylight conditions. The solar input is pre-wired with MC4 style connectors.

The output comes pre-wired with the popular Anderson Powerpole 30A connectors.

MPPT-300-14.6 Specifications: - Controller Technology: MPPT (Maximum Power Point Tracking) Technology - Input

Voltage: 20-50 VDC - Output Voltage: 14.6 VDC - Input Connector Type: MC4 - Output Connector Type:
Anderson Powerpole 30A - Maximum Power: 300 Watts - Maximum Current: 24 Amps

Battery Type: [Bioenno LiFePO4](#) or equivalent ([RELiON](#), [Battle Born](#)), etc)

- System Type: 12 VDC (DC to DC converter) - Controls: Automatic (no user adjustments required) - Conversion Efficiency: 95% - IP Rating: IP67 - Short Circuit Protection: Yes - Over Temperature Protection: Yes - Case: Die cast aluminum design allows for efficient heat dissipation - Dimensions: (L x W x H) 2.9 in. x 2.9 in. x 1.3 in. (74 mm x 74 mm x 32 mm) - Weight: 0.7 lbs. (300 g) - Warranty: 1 Year

NOTE: This solar controller is intended for use with Bioenno LiFePO4 or equivalent batteries. This controller should not be used with Flooded, AGM or GEL type batteries as its voltage setpoints will overcharge them.

Need to convert the output connector of this controller?

The output connector is a 45A Anderson Power Pole.

To convert to a 5.5x2.1mm DC barrel, use the [BA-DCM-PP45](#) cable.

To convert to a 5.5x2.1mm DC female jack, use the **BA-DCF-PP45** cable.

Product Attributes

- Dimensions: 1 × 1 × 1 cm

- Weight: .6 kg