

Conext MPPT 100-600 Solar Controller by Schneider



Price: CAD \$2,299.00

SKU: SCHMPPT100-600

Product Categories: [Charge Controllers](#), [MPPT - Max Power Point Tracking](#), [MPPT : 60A-100A HV](#), [Shop](#)

Product Tags: [100A](#), [600v](#), [6kw](#), [865-1034](#), [865-1034 canada](#), [canada](#), [conext](#), [conext canada](#), [controller](#), [mppt 100-600](#), [schneider conext](#), [solar](#), [solar charge controller](#)

Product Page:

<https://www.modernoutpost.com/product/conext-mppt-100-600-solar-controller-by-schneider/>

Product Summary

The Schneider Conext MPPT 100-600 solar controller is particularly well-suited to larger off-grid projects. Up to 6 kW of charging power, and allowance for over-sized arrays, makes the MPPT 100 ideal for residential grid-tied 'self-supply' and off-grid systems. It is scalable for even larger installations.

Product Description

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The MPPT 100 600 offers faster installations and lower balance of system costs with 2 string installations. This controller is compatible with Conext XW and SW storage inverter solutions. The MPPT Disconnect RS accessory can be added for NEC 2017 compliance with module level rapid shutdown, as well as equipment disconnect functionality.

Conext MPPT 100-600: 6kW Solar PV Charge Controller

Features...

Optimum System Performance

High power, 600 Vdc MPPT charge controller for DC coupled solar and storage

100A rating for output charging power up to 6 kW

Flexibility for oversized PV array power ratings e.g. 7 kW or more

Ideal for grid tied self-supply and off-grid systems with high PV to battery to grid efficiency

Ability to recharge dead batteries from solar, providing maximum energy resilience for longer duration grid outages

Harvest more energy with shade tolerant fast sweep MPPT algorithm

Flexible

Flexible string sizing with a wide MPPT and PV operating voltage range

Compatible with all brands of PV Modules and wide range of 24 V and 48 V battery technologies

Stand-alone application or integration with XW Pro, XW+ and SW series storage inverters for a complete solar and storage solution

Easy to install

2 string installations and smaller wire sizing with 600 Vdc PV arrays, allowing faster,

lower cost installations

No need for a combiner box with DC breakers or fuses

Easy to install PV disconnect and NEC 2017 compliant rapid shutdown transmitter with the MPPT Disconnect RS accessory, UL1741 PVRSS certified

Compatible with Insight Energy Management

Setup and configuration

Remote monitoring & control with advanced data security

Web and mobile app

Multi-site management for installers

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Specifications In Brief...

Part# : 865-1034

Max PV array open circuit voltage : 600V

MPPT voltage range : 195 to 510VDC

PV array operating voltage : 195 to 550V

Max. array short circuit current at STC : 35A

Max. input operating current : 29A

Max. output power : 6000W (nominal 48V systems)

Nominal battery voltage : 24 and 48VDC

Battery voltage operating range : 16 to 67VDC

Max. output charge current : 100A

Charger regulation method : Three-stage (bulk, absorption, float) plus manual equalization. Two-stage (bulk, absorption) plus manual equalization

Supported battery types Flooded, GEL, AGM, Lithium-ion, Custom

Peak Efficiency 92% (nominal 24 V), 95% (nominal 48 V)

General Specifications - Power consumption, night time : < 1 W - Battery

temperature sensor : Included - IP degree of protection : IP20 - Product weight :

13.5 kg (29.8 lb) - Product dimensions (H x W x D) : 76.0 × 22.0 × 22.0 cm

(30.0 × 8.6 × 8.6 in) - Ambient air temperature for operation : -20 °C to 65 °C

(-4 °F to 149 °F), power derating above 40 °C - System network and remote

monitoring : Available with Insight Energy Management - Warranty : Please refer to Schneider's website, solar.se.com for the latest version of the warranty statement.

Safety : CSA certified (UL1741, CSA 107.1) and CE marked for the Low-voltage Directive (EN50178)

Downloads [Spec Sheet](#)] [Owners Guide](#)] [Installation Guide](#)] [Visit the Schneider website](#)] for more information on this controller and find help with system design and commissioning.

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 5 kg