SOL MPPT 40A (150V) 24/48V SOLAR REGULATOR + LCD + BLUETOOTH

REGULAR RANGE

PRODUCT CODE
3IPSMPPT42

EAN
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CATEGORY
Photovoltaic panels and accessories

SUBCATEGORY
Solar regulators MPPT

PRODUCT PAGE
voltpolska.pl/produkty/sol-mppt-30a-24-48v-regulator-solarny



ABOUT THE PRODUCT

SOL MPPT 40A (150V) 24/48V SOLAR REGULATOR + LCD + BLUETOOTH is used to charge batteries from a connected set of solar panels. It uses MPPT technology, which optimises the charging process and enables more effective use of energy from the photovoltaic installation.

The device is equipped with a clear LCD display and wireless communication, enabling remote monitoring of operating parameters and operation using a dedicated application. The Solarlife, SolarLifeBT and Solarlife PRO applications are available for IOS and Android systems.

The regulator automatically detects the battery voltage 24V/48V and operates with GEL, AGM, lithium and flooded-electrolyte batteries. Settings for all LiFePO4 battery parameters are available exclusively through the smartphone application. The temperature sensor provides automatic temperature compensation.

The four-stage charging process includes MPPT, BOOST (pulse), Equalization and Float. The regulator also offers load-control modes: always on, dusk-to-dawn, night and manual, as well as automatic short-circuit, temperature and overload protection.

During configuration, select the battery type appropriate for the application. An incorrect charging mode may lead to faster wear or damage to the battery and loss of its warranty. W photovoltaic installations, batteries designed for cyclic operation are recommended, in particular gel GEL VPRO SOLAR, DEEP CYCLE VPRO SOLAR or lithium LiFePO4.

TECHNICAL SPECIFICATIONS

Max. charging current	40A
Battery voltage	24V/48V
Maximum voltage from the panels	150V
Self-power consumption	≤8mA(12V),≤12mA(24V)
For batteries	AGM, GEL
BOOST voltage	28.0~29.6V/56.0~59.2V 25°C

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TECHNICAL SPECIFICATIONS - CONTINUED

Equalization voltage	28.0~30.0V/56.0~60.0V 25°C
Float voltage	26.0~29.0V /52.0~58.0V 25°C
Low-voltage load disconnection	21.6~23.6V/43.2~47.2V SOC1~5
Reconnection voltage	22.8~25.6V/45.6~51.2V
Overcharge protection	31.3~62.3V
Temperature compensation	-4.17mV/K per cell (Boost, Equalization) -3.33mV/K per cell (Float)
Dusk/dawn detection voltage	5/10V
Protection	IP32
Dimensions	189x255x89mm
Weight	2,5kg

PRODUCT GALLERY





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