

MPPT 100/30

Maximum Power Point Tracker



- Maximum Power Point Tracking technology increases the efficiency of your PV system
- Less expensive solar-panels for grid-feed-in systems can now be used for 12/24V off-grid systems
- Electronic protection (reverse polarity, over-current, short-circuit, over-temperature)
- High efficiency
- DIN Rail compatible
- Negative ground

With innovative maximum-power-tracking technology, Phocos' MPP-Tracker ensures maximum performance from your solar array at all times and in all weather conditions. The MPPT can yield an energy gain from your PV array (with the average gain being 10%-25%).

When a Central Unit is used, up to 16 MPPTs can be used together in one system. The charge regulation is then done via data bus by the Central Unit. This will enable you to increase your system capacity substantially.

The temperature-compensated three-stage I-U curve charge regulation algorithm significantly extends the lifespan of your battery.

The possibility to use less expensive grid-feed-in solar-panels with up to 95V open circuit voltage for 12V or 24V stand-alone systems will significantly reduce the cost of the total system.

TYPE	MPPT 100/30
Nominal voltage	12V / 24V, automatic recognition
Nominal battery charge current	30A
Max. solar input voltage Voc	95V
Max. PV input power	450W@12V, 900W@24V
Max. battery charge current	33A
Power conversion efficiency	up to 98 %
Standby power consumption	< 30mW at 12V system voltage (< 2mA) < 80mW at 24V system voltage (< 3mA)
Temperature compensation	-4 mV/cell.K
Max. wire size	32mm ²
Dimensions	185 x 150 x 115mm
Weight	1.6kg
Temperature range	-40 to +50° C
Type of protection	IP22

Compatible with the Modular Power Management

- Phocos AG, Germany
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