

MPPT Solar Charge Controller 12V 24V 48V 30A

This MPPT solar charge controller is designed for efficient solar energy harvesting. It supports 12V, 24V, and 48V systems at 30A.



Product Overview

Advanced MPPT Solar Charge Controller

This 30A MPPT solar charge controller is engineered for off-grid solar systems, utilizing an advanced tracking algorithm to maximize solar cell module power output. With an impressive transfer efficiency of up to 97%, it significantly improves energy utilization and system performance. The unit features intelligent cooling, comprehensive electronic protections, and support for multiple battery types, ensuring reliable operation and extended battery lifespan.

Electrical Specifications

Rated Current	30 A
Supported System Voltages	12V, 24V, 48V
Transfer Efficiency	97 %

Compatibility & Features

Compatible Battery Types

- Lead acid battery
- Colloid storage battery
- Lithium ion battery

Safety Protections

Overcurrent • Short circuit • Overcharge • Overdischarge • Overload

Communication & Connectivity

Communication Interface	RS 485
Max Communication Distance	1 km