

60A MPPT Solar Charge Controller

MODEL: RS-MPPT60P

Features

Advanced MPPT Technology

True MPPT with the latest algorithm (tracking efficiency >99.5%)
Multi-peak detection for optimal tracking in shaded conditions
High charge conversion efficiency (up to 98%)

Intelligent System Compatibility

Auto 12V/24V detection

Supports 8+1 battery types: Lead-acid: GEL, AGM, WET, CRYSTAL, CALCIUM; Lithium: LiFePO₄, LTO, LCO
Optional external battery temp sensor

Comprehensive Protection & Reliability

Advanced electronic protections: Over-voltage protection
Reverse discharge protection; Common negative ground design
IP43-rated internals (IP22 at connection area)
Conformal coated circuit board
Rugged rubber-masked connector protection
Built-in safety and circuit protection
Unique deep-discharge battery recovery/restart function

Customization & Data Management

Custom charge parameter settings
Charging data storage
Unique charge management technology

Specifications

System Nominal Voltage	12V/24V Auto
Max. PV Open Circuit Voltage	100V DC
Charging Technology	MPPT
Max. PV Charging Current	60A
Recommended PV Input Power	900W (12V) / 1800W (24V)
Charge Conversion Efficiency	≤98%
MPPT Tracking Efficiency	>99.5%



Smart Monitoring & Control

Large, informative LCD display for: Real-time solar input
Battery status; System configuration; Clear LED bar and transparent window indicators
Included & Optional: Built-in Bluetooth module, Optional external digital remote display

Proprietary Technologies

Patented housing and enclosure design
Exclusive battery recovery and charge optimization algorithms
In-house design and manufacturing

Battery Compatibility	GEL/AGM/WET/CRYSTAL/CALCIUM /LFP/LTO/LCO
Housing Color	Black+Grey
Protection Rating	IP43 (PCBA), IP22 (Connectors)
Dimensions (L×W×H)	201×195×85mm (7.9×7.7×3.3in)
Net Weight	1.90kg (4.18lb)