

Outdoor MPPT Remote Power Systems

Features

- Complete Remote Power Solution for Off-Grid Operation
- Weatherproof Outdoor Enclosure with up to 400Ah Battery
- Enclosures can be Wall or Pole Mounted (pole not included)
- High Performance Sealed Lead Acid Batteries
- MPPT Manageable Charge Controllers with LCD Display
- Thermostatically Controlled Ventilation

Applications

- Wireless Base Stations
- Wireless Bridge and Repeaters
- Remote Lighting
- Surveillance Cameras
- Off-Grid Power
- Backup Power Systems



Description

The RPSTL12/24M RemotePro® MPPT series outdoor power systems are designed for applications that require a primary off-grid power source to run various equipment. The vented weatherproof enclosures have generous space available inside for mounting customer equipment. Multiple mounting brackets are welded inside the enclosure for mounting DIN rails or flat plates.

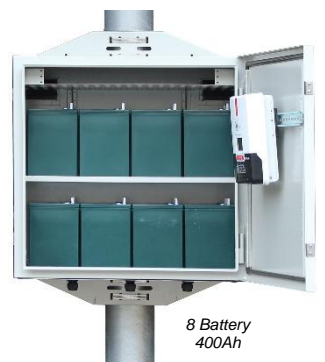
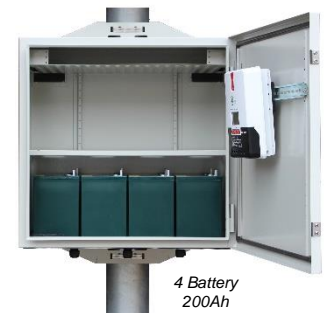
The systems can be configured as 12VDC or 24VDC for greater compatibility. The manageable MPPT solar controller improves system efficiency by about 15% meaning that more solar energy reaches the batteries. It supports up to 20A load control.

All enclosures are hinged, and gasket sealed with tamper resistant locks for security. They have four cable gland ports for CAT5/6 cable, antenna cables/connectors or other cabling. Included is a thermostatically controlled fan assembly which turns on automatically when the temperature exceeds 40°C.

The high-quality solar panels have a 25year power output guarantee and a +5W output tolerance. The enclosures and solar mount can be mounted to a wall or pole (2-4") with the included mounting systems.

Batteries are a Non-Spillable Valve Regulated Sealed Lead Acid Advance Glass Matt (AGM) type which have excellent temperature and deep discharge performance. Expected battery life exceeds 5 years.

The systems come with all cabling required to connect the batteries to the controller and 20' outdoor rated cable to connect the solar panels to the controller.



MPPT Solar Charge Controller



Solar Mount with 2 Panels – 160W



Solar Mount with 4 Panels – 320W

Specifications

	RPSTL 12/24M-200-160	RPSTL 12/24M-200-320	RPSTL 12/24M-400-320
Rated Power Generation	40W	50W	80W
Reserve Time @ Rated Power	>30hrs	>30hrs	>24hrs
Load Out (DC)	12 or 24VDC, 20A		
12V Battery Capacity (Amp Hrs)	200Ah		400Ah
Battery Voltage (DC)	12 or 24VDC		
Battery Type	Maintenance Free Non-Spillable Valve Regulated Sealed Lead Acid AGM		
Battery Life	5+ years		
Solar Controller Type	MPPT (Maximum Power Point Tracking), Manageable, Temperature Compensated, 40A Max Solar, 20A Max Load Control, LCD Display of Voltages and Currents, Battery %		
Bulk Charge	14.4 / 28.8 VDC		
Float Charge	13.8 / 27.6 VDC		
Over-discharge protection	11.1 / 22.2 VDC		
Over-discharge recovery volts	12.6 / 25.2 VDC		
Controller Self Consumption	<1W		
Enclosure Type	Pole/Wall Mount, Zinc Plated, Powder Coat Steel		
Enclosure External Size	24.1 x 24.1 x 17.5" (612.5 x 612.5 x 445.6mm)		
Enclosure Internal Size	23.9 x 23.9 x 16.1" (608 x 608 x 409.5mm)		
Internal Mount Features	DIN Rail/Flat Plate Mounting Brackets Welded to Door and Back		
Solar Panel Dims (LxW)	53.4" x 31" (1356 x 780mm)	53.4" x 62" (1356 x 1560mm)	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)		
System Weight (no batteries)	146 lb (66 kg)	212 lb (96 kg)	
Battery Weight	161 lb (73 kg)		322 lb (146 kg)
Wind Speed Rating	90MPH		
Warranty	3 Years		

RPSTL 12/24M-200-320

Enclosure Type
STL - Large Steel

Battery Voltage
12/24 - 12/24VDC
M Suffix = MPPT

Storage Capacity
200 - 200Ah @ 12 Volts
400 - 400Ah @ 12 Volts

Solar Panel Output
160 - 160 Watt
320 - 320 Watt

System Ordering:

Model #	Continuous Power Generation (6hrs peak sun)	Backup Time	Battery Voltage	12V Battery Capacity	Solar Panel Size
RPSTL12/24M-200-160	40W	>30hrs	12 or 24VDC	200Ah	160W
RPSTL12/24M-200-320	50W	>24hrs	12 or 24VDC	200Ah	320W
RPSTL12/24M-400-320	80W	>30hrs	12 or 24VDC	400Ah	320W

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