



RPSTL RemotePro®

DATA SHEET

Outdoor PWM 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
- 20A PWM Charge Controllers with LCD Display and USB
- Thermostatically Controlled Ventilation

Applications

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



Description

The RPSTL12/24 RemotePro® PWM 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.

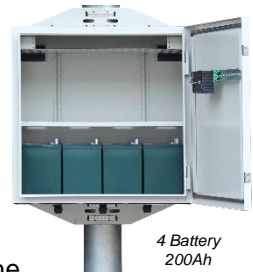
The systems can be configured as 12VDC or 24VDC for greater compatibility. The PWM solar controller has an integrated LCD display that shows battery and charging status and a USB port for auxiliary charging. The controller supports up to 20A Solar and 20A load control.

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.



4 Battery
200Ah



8 Battery
400Ah



PWM Solar
Charge Controller



Solar Mount with 4
Panels - 320W

RPSTL 12/24 RemotePro® PWM Series

Specifications

	RPSTL 12/24-200-320	RPSTL 12/24-400-320
Rated Power Generation	50W	80W
Reserve Time @ Rated Power	>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	PWM (Pulse Width Modulation), Temperature Compensated, 20A 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	<0.5W	
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 62" (1356 x 1560mm)	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)	
System Weight (no batteries)	212 lb (96 kg)	
Battery Weight	161 lb (73 kg)	322 lb (146 kg)
Wind Speed Rating	90MPH	
Warranty	3 Years	

RPSTL 12/24-200-320

Enclosure Type
STL - Large Steel

Battery Voltage
12/24 - 12/24VDC

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

Solar Panel Output
320 - 320 Watt

System Ordering:

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

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