



RemotePro[®] 200W Lithium Series

DATA SHEET

Outdoor Remote Power Systems

Features

- Complete 200W Remote Power Solution for Off-Grid Operation
- 4000+ Cycle Life @ 80% discharge LiFePO4 Lithium Batteries
- Weatherproof Outdoor Enclosures accommodate up to 400Ah Battery
- Enclosures can be Wall or Pole Mounted (pole not included)
- MPPT Solar Charge Controllers with RS485 Interface
- Thermostatically Controlled Ventilation



RPL 200W
Solar System

Applications

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

Description

The RemotePro[®] 170W Lithium 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 enclosures can be mounted to a wall or pole with the included mounting bracket system.

The high quality solar panels have a 25 year 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 system.

Features include advanced MPPT battery charge controllers with LVD load control and RS485 interface.

Batteries are a wide temp LFP (LiFePO4) Lithium type which have superb 80% deep discharge and 4000+ cycle life performance. The batteries have an embedded BMS (Battery Management System) to enable 10+ year battery life. Systems can be configured as 12V or 24V battery voltage.

The outdoor enclosures are powder coated steel or aluminum. They are hinged and gasket sealed with a locking closure that accepts a common padlock 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 45°C.

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.



RPL Enclosure interior
without batteries or controller



RPSTL Enclosure interior
without batteries or controller

RemotePro® 200W Lithium Series

Specifications

	RPL12/24M-200L-200	RPSTL12/24M-200L-200
Load Out (DC)	12V or 24V 20A Wire Terminal	
Solar Controller Type	40A MPPT with LVD	
Battery Voltage (DC)	12V or 24V (User Configurable)	
Battery Type	Wide Temp LFP (LiFePO4) Lithium	
Battery Life	10+ years	
Charge Voltage	14.6V / 29.2V	
Low Voltage Disconnect	11.1V / 22.2V	
Over-Discharge Recovery Volts	12.5V / 25V	
Controller Self Consumption	<0.5W	
Enclosure Type	ENC-AL-21x14x15 Pole/Wall Mount, Powder Coat Aluminum	ENC-STL-24x24x16 Pole/Wall Mount, Powder Coat Steel
Enclosure Size	21 x 14 x 15 (537 x 356 x 381mm)	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 (L x W x T)	200W Solar Array 24.4" x 61" x 1.2" (620 x 1540 x 30mm)	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)	
System Weight (no batteries)	48 lb (22 kg)	109 lb (49 kg)
Battery Weight	13.5 lb (6kg) x 4 battery = 54lb (24.5kg)	
Wind Speed Rating	90MPH	
Warranty	3 Years	

System Ordering:

Model #	Continuous Power Generation*	Reserve Time	Enclosure Type	Battery Voltage	Battery Capacity	Solar Panel Size
RPL12/24M-200L-200	43W	48hrs	Lg Aluminum	12/24V	200Ah	200W
RPSTL12/24M-200L-200	43W	48hrs	Large Steel	12/24V	200Ah	200W

*6hrs peak sun

Note: The Wide Temp Lithium batteries used in these systems are designed for operation in -30C to +60C environments making them perfect for year round outdoor use in all climates.



MPPT Solar Controller



12V 50Ah Lithium Battery

For further information contact:

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