

RPPL Series

DATA SHEET

Outdoor Remote Power Systems

Features

- Complete Remote Power Solution for Off-Grid operation
- Weatherproof, UV resistant, outdoor enclosures
- Enclosures can be Wall or Pole Mounted
- High Performance Valve Regulated Sealed Lead Acid Batteries
- Advanced battery charge controller protects against overcharge and over discharge

Applications

- Wireless Base Stations and Clients
- Wireless Bridge and Repeaters
- Remote Lighting

- Surveillance Cameras
- Remote Sensors
- Backup Power Systems



Description

The RemotePro® PL series (RPPL) outdoor power systems are designed for applications that require a primary off-grid power source to run various electronics. The sealed and weatherproof Polycarbonate enclosures hold up to four 12V 9AH batteries. The enclosures are hinged and gasket sealed. They can accept a padlock or tamper seal.

The enclosures can be mounted to a wall or pole with the included mounting bracket system.

The high quality solar panels have a 25year power output guarantee. The 30W and 35W solar panels can be mounted to a 51mm to 101mm (2" to 4") diameter pole or alternately to a wall with the included bracket kit.

Features include an advanced battery charge controller to protect against over-charging or over-discharging of the valve regulated sealed lead acid batteries. Most of the RPPL systems include a controller with built in POE inserter and DCDC converter to supply 24V or 48V POE from the 12V or 24V battery system. Some models use a 20A PWM controller with parametric LCD display. Enclosures have multiple ports for CAT5/6 cable, antenna cables/connectors or other cabling. They are vented to prevent residual buildup of hydrogen gas.

Batteries are an Absorbed Glass Matt (AGM) type which have good all temperature performance.







Specifications

	36-35	RPPL1224- 36-35	RPPL1248- 36-35	RPPL24- 36-30	RPPL2424- 36-30	RPPL2448- 36-30			
Rated Power Generation		E.	8W		Ľ	E.			
Reserve Time @ Rated Power	ovv 27hrs								
POE Output Voltage (DC)	No POE Out	24V1.2A 48V.62A	24V1.2A 48V.62A	No POE Out	24V1.2A 48V.62A	24V1.2A 48V.62A			
Secondary Volts Out (DC)	12V 20A	12V 1.5A	12V 1.5A	24V 20A	24V 1.5A	24V 1.5A			
Battery Capacity (Amp Hrs)	36Ah								
Battery Voltage (DC)	12V 24V								
Battery Type	Valve Regulated Sealed Lead Acid / Absorbed Glass Mat (AGM)								
Battery Life	5 Years								
Controller Type	PWM	Dual Input: Solar/F Battery Voltage/ Conv		PWM	Dual Input: Solar/POE, Dual Output: Battery Voltage/POE with DCDC Converter				
Overcharge Protection		14.4V		28.6V					
Over-discharge protection	11.0V			22.0V					
Over-discharge recovery volts	12.5V 24.5V								
Controller Self Consumption	< 0.5W								
Enclosure Type	Polycarbonate								
Enclosure External Size	17.5 x 12.5 x 6" (445x318x152mm)								
Enclosure Internal Size	14 x 10 x 5" (356x254x127mm)								
Solar Panel Dims	26" X 16" (654 x 401mm)								
Operating Temperature	-30°C to +60°C (-22°F to 140°F)								
System Weight (no batteries)	22lb (10kg)								
Battery Weight	22lb (10kg)								
Wind Speed Rating	110MPH (49m/s)								
Warranty	3 Years								

System Ordering:

Model #	Continuous Power Generation	Enclosure Type	Battery Voltage	PoE Output Voltage	Battery Capacity	Solar Panel Size
RPPL12-36-35	8W	Polycarbonate	12VDC		36Ah	35W
RPPL1224-36-35	8W	Polycarbonate	12VDC	24V	36Ah	35W
RPPL1248-36-35	8W	Polycarbonate	12VDC	48V	36Ah	35W
RPPL24-36-30	8W	Polycarbonate	24VDC		36Ah	30W
RPPL2424-36-30	8W	Polycarbonate	24VDC	24V	36Ah	30W
RPPL2448-36-30	8W	Polycarbonate	12VDC	48V	36Ah	30W

For further information contact:

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