



**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
- Surveillance Cameras
- Wireless Bridge and Repeaters
- Remote Sensors
- Remote Lighting
- Backup Power Systems



*RemotePro®  
PL Series*

### 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.



*35W Solar Mount*



*20A PWM Controller Inside*



*10A Solar, 30W PoE Controller Inside*

## Specifications

	RPPL12-36-35	RPPL1224-36-35	RPPL1248-36-35	RPPL24-36-30	RPPL2424-36-30	RPPL2448-36-30
<b>Rated Power Generation</b>	8W					
<b>Reserve Time @ Rated Power</b>	27hrs					
<b>POE Output Voltage (DC)</b>	No POE Out	24V1.2A 48V.62A	24V1.2A 48V.62A	No POE Out	24V1.2A 48V.62A	24V1.2A 48V.62A
<b>Secondary Volts Out (DC)</b>	12V 20A	12V 1.5A	12V 1.5A	24V 20A	24V 1.5A	24V 1.5A
<b>Battery Capacity (Amp Hrs)</b>	36Ah					
<b>Battery Voltage (DC)</b>	12V			24V		
<b>Battery Type</b>	Valve Regulated Sealed Lead Acid / Absorbed Glass Mat (AGM)					
<b>Battery Life</b>	5 Years					
<b>Controller Type</b>	PWM	Dual Input: Solar/POE, Dual Output: Battery Voltage/POE with DCDC Converter		PWM	Dual Input: Solar/POE, Dual Output: Battery Voltage/POE with DCDC Converter	
<b>Overcharge Protection</b>	14.4V			28.6V		
<b>Over-discharge protection</b>	11.0V			22.0V		
<b>Over-discharge recovery volts</b>	12.5V			24.5V		
<b>Controller Self Consumption</b>	< 0.5W					
<b>Enclosure Type</b>	Polycarbonate					
<b>Enclosure External Size</b>	17.5 x 12.5 x 6" (445x318x152mm)					
<b>Enclosure Internal Size</b>	14 x 10 x 5" (356x254x127mm)					
<b>Solar Panel Dims</b>	26" X 16" (654 x 401mm)					
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)					
<b>System Weight (no batteries)</b>	22lb (10kg)					
<b>Battery Weight</b>	22lb (10kg)					
<b>Wind Speed Rating</b>	110MPH (49m/s)					
<b>Warranty</b>	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

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