



## ***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



### **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

For further information contact:

[Tyconsystems.com](http://Tyconsystems.com)

