



## RPPL-SM 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-SM series (RPPL) outdoor power systems are designed for applications that require a primary off-grid or backup power source to run various electronics. The sealed and weatherproof 11x7x6" Polycarbonate enclosures hold up to two 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. Some of the RPPL-SM systems include a controller with built in POE inserter and DCDC converter to supply 24V or 48V PoE from the 12V battery system. Other models use a 20A PWM controller with parametric LCD display. Enclosures have multiple ports for CAT5/6 cable, antenna cables/connectors or other cabling.

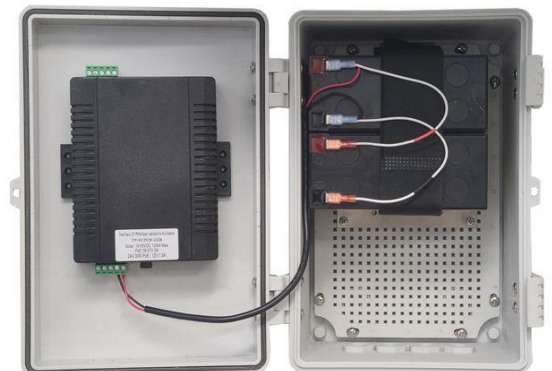
Batteries are an Absorbed Glass Matt (AGM) type which have good all temperature, deep discharge performance.



Solar Mount



20A PWM Controller Inside



10A Solar, 30W PoE Controller Inside

## Specifications

	RPPL12-9-15	RPPL12-18-15	RPPL12-18-35	RPPL24-18-30	RPPL1224-18-15	RPPL1248-18-15	RPPL1224-18-35	RPPL1248-18-35
<b>Passive PoE Out (30W)</b>	---	---	---	---	24V	48V	24V	48V
<b>Secondary Volts Out (DC)</b>	12V 20A		24V 20A		12V 1.5A			
<b>Battery Capacity (Amp Hrs)</b>	9Ah				18Ah			
<b>Battery Voltage (DC)</b>	12V		24V		12V			
<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			
<b>Overcharge Protection</b>	14.4V		28.6V		14.4V			
<b>Over-discharge protection</b>	11.0V		22.0V		11.0V			
<b>Over-discharge recovery volts</b>	12.5V		24.5V		12.5V			
<b>Controller Self Consumption</b>	< 0.5W							
<b>Enclosure Type</b>	UV Protected Polycarbonate							
<b>Enclosure External Size</b>	12 x 8.5 x 7" (305 x 216 x 178mm)							
<b>Enclosure Internal Size</b>	11 x 7 x 6" (279 x 178 x 152mm)							
<b>Solar Panel Dims</b>	14.6 X 14" (371 x 356mm)	21 X 20" (533 x 508mm)		14.6 X 14" (371 x 356mm)	21 X 20" (533 x 508mm)			
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)							
<b>System Weight (no batteries)</b>	11lb (5kg)		17lb (8kg)		11lb (5kg)		17lb (8kg)	
<b>Battery Weight</b>	5.5lb (2.5kg)	11lb (5kg)						
<b>Wind Speed Rating</b>	110MPH (49m/s)							
<b>Warranty</b>	3 Years							

## System Ordering:

Model #	Continuous Power Generation*	Reserve Time	Enclosure Type	Battery Voltage	PoE Output Voltage	Battery Capacity	Solar Panel Size
RPPL12-9-15	2.5W	21hrs	Polycarbonate	12VDC	---	9Ah	15W
RPPL12-18-15	3.2W	34hrs	Polycarbonate	12VDC	---	18Ah	15W
RPPL12-18-35	4.3W	25hrs	Polycarbonate	12VDC	---	18Ah	35W
RPPL24-18-30	4.3W	25hrs	Polycarbonate	24VDC	---	18Ah	30W
RPPL1224-18-15	3.2W	34hrs	Polycarbonate	12VDC	24V	18Ah	15W
RPPL1224-18-35	4.3W	25hrs	Polycarbonate	12VDC	24V	18Ah	35W
RPPL1248-18-15	3.2W	34hrs	Polycarbonate	12VDC	48V	18Ah	15W
RPPL1248-18-35	4.3W	25hrs	Polycarbonate	12VDC	48V	18Ah	35W

\*6hrs peak sun

For further information contact:

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



930 W 14600 S Ste 600  
Bluffdale, UT 84065  
PH: 801-432-0003  
FAX: 801-618-4220