



## RPPL-LG-WTL Series

# DATA SHEET

## Outdoor Remote Power Systems

### Features

- Complete Remote Power Solution for Off-Grid operation
- 4000+ Cycle Life @ 80% discharge LiFePO4 Lithium Batteries
- Weatherproof, UV resistant, outdoor enclosures
- Enclosures can be Wall or Pole Mounted
- Advanced battery charge controller and Embedded BMS for extended battery life

### 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-LG-WTL 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 15x11x6" Polycarbonate enclosures hold up to four 12V 10AH 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 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 advanced battery charge controllers with LVD load control. Some of the RPPL-LG-WTL 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. 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.

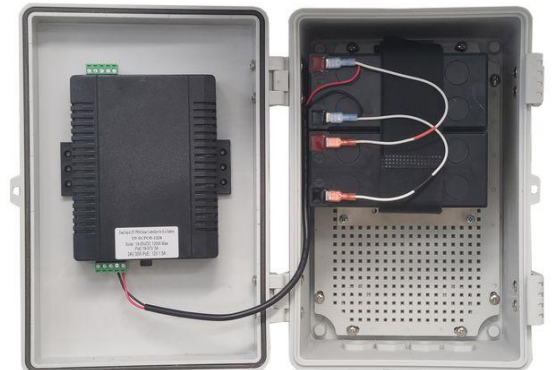
Batteries are a Wide Temp LFP (LiFePO4) Lithium type which have superb 80% deep discharge and 4000+ cycle life performance. The batteries have an embedded BMS (Battery Management System) to enable 10+ year battery life.



Solar Mount



20A PWM Controller Inside



10A Solar, 30W PoE Controller Inside

## Specifications

	Common Specs
<b>Battery Type</b>	Wide Temp LFP (LiFePO4) Lithium
<b>Battery Life</b>	10 Years
<b>Controller Types</b>	Type 1 = PWM No PoE, 20A Load Out, LCD Display Type 2 = PWM Dual Input: Solar/POE, Dual Output: Battery Voltage/POE with DCDC Converter, 1.5A & 10A Load Out
<b>Overcharge Protection</b>	12V Battery = 14.4V    24V Battery = 28.6V
<b>Over-discharge protection</b>	12V Battery = 11.0V    24V Battery = 22.0V
<b>Over-discharge recovery volts</b>	12V Battery = 12.5V    24V Battery = 24.5V
<b>Controller Self Consumption</b>	< 0.5W
<b>Enclosure Type</b>	UV Protected Polycarbonate
<b>Enclosure External Size</b>	15.7 x 12.7 x 6.7" (400 x 323 x 170mm)
<b>Enclosure Internal Size</b>	15 x 11 x 6.5" (381 x 279 x 165mm)
<b>Solar Panel Dims</b>	50W Panel = 630 x 400 x 30mm (24.8 x 15.7 x 1.18") 100W Panel = 770 x 620 x 30mm (30.3 x 24.4 x 1.18")
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)
<b>Wind Speed Rating</b>	110MPH (49m/s)
<b>Warranty</b>	3 Years

## System Ordering:

Model #	Continuous Power Generation*	Reserve Time	Battery Voltage	Load Out	PoE Output	Battery Capacity	Solar Panel Size	System Weight
RPPL12-40L-50	10.5W	37hrs	12VDC	20A	---	40Ah	50W	55lb(25kg)
RPPL12-40L-100	15W	24hrs	12VDC	20A	---	40Ah	100W	60lb(27kg)
RPPL24-40L-50	10.5W	37hrs	24VDC	20A	---	40Ah	50W	55lb(25kg)
RPPL1224-40L-50	10.5W	37hrs	12VDC	1.5A	24V Passive	40Ah	50W	55lb(25kg)
RPPL1224G-20L-50	5.25W	37hrs	12VDC	1.5A	24V Passive GigE	20Ah	50W	37lb(17kg)
RPPL1224G-40L-50	10.5W	37hrs	12VDC	1.5A	24V Passive GigE	40Ah	50W	55lb(25kg)
RPPL1248-40L-50	10.5W	37hrs	12VDC	1.5A	48V Passive	40Ah	50W	55lb(25kg)
RPPL12AT-20L-50	5.25W	37hrs	12VDC	10A	PoE+ 48V	20Ah	50W	37lb(17kg)
RPPL12AT-40L-50	10.5W	37hrs	12VDC	10A	PoE+ 48V	40Ah	50W	55lb(25kg)
RPPL2424-40L-50	10.5W	37hrs	24VDC	1.5A	24V Passive	40Ah	50W	55lb(25kg)
RPPL2448-40L-50	10.5W	37hrs	24VDC	1.5A	48V Passive	40Ah	50W	55lb(25kg)
RPPL24AT-20L-50	5.25W	37hrs	24VDC	10A	PoE+ 48V	20Ah	50W	37lb(17kg)
RPPL1224-40L-100	15W	24hrs	12VDC	1.5A	24V Passive	40Ah	100W	60lb(27kg)
RPPL1224G-40L-100	15W	24hrs	12VDC	1.5A	24V Passive GigE	40Ah	100W	60lb(27kg)
RPPL1248-40L-100	15W	24hrs	12VDC	1.5A	48V Passive	40Ah	100W	60lb(27kg)
RPPL12AT-40L-100	15W	24hrs	12VDC	10A	PoE+ 48V	40Ah	100W	60lb(27kg)

\*6 hrs peak sun

For further information contact:

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

