



RPPL-LG-50 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-LG-50 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 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 50W 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-LG 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

	RPPL12-36-50	RPPL24-36-50	RPPL1224(G)-36-50	RPPL1248-36-50	RPPL12AT-36-50	RPPL2424-36-50	RPPL2448-36-50	RPPL24AT-36-50
PoE Out (30W)	---	---	Passive 24V	Passive 48V	802.3at 48V	Passive 24V	Passive 48V	802.3at 48V
Secondary Volts Out (DC)	12V 20A	24V 20A	12V 1.5A		12V 10A	24V 1.5A		24V 10A
Battery Capacity (Amp Hrs)	36Ah							
Battery Voltage (DC)	12V	24V	12V		12V	24V		24V
Battery Type	Valve Regulated Sealed Lead Acid / Absorbed Glass Mat (AGM)							
Battery Life	5 Years							
Controller Type	PWM		PWM Dual Input: Solar/POE, Dual Output: Battery Voltage/POE with DCDC Converter					
Overcharge Protection	14.4V	28.6V	14.4V			28.6V		
Over-discharge protection	11.0V	22.0V	11.0V			22.0V		
Over-discharge recovery volts	12.5V	24.5V	12.5V			24.5V		
Controller Self Consumption	< 0.5W							
Enclosure Type	UV Protected Polycarbonate							
Enclosure External Size	15.7 x 12.7 x 6.7" (400 x 323 x 170mm)							
Enclosure Internal Size	15 x 11 x 6.5" (381 x 279 x 165mm)							
Solar Panel Dims	16 X 24.4 x 1.2" (405 x 620 x 30mm)							
Operating Temperature	-30°C to +60°C (-22°F to 140°F)							
System Weight (no batteries)	19lb (9kg)							
Battery Weight (36Ah)	22lb (10kg)							
Wind Speed Rating	110MPH (49m/s)							
Warranty	3 Years							

System Ordering:

Model #	Continuous Power Generation*	Reserve Time	Enclosure Type	Battery Voltage	PoE Output Voltage	Battery Capacity	Solar Panel Size
RPPL12-36-50	7.5W	29hrs	Polycarbonate	12VDC	---	36Ah	50W
RPPL24-36-50	7.5W	29hrs	Polycarbonate	24VDC	---	36Ah	50W
RPPL1224-36-50	7.5W	29hrs	Polycarbonate	12VDC	24V Pasv	36Ah	50W
RPPL1224G-36-50	7.5W	29hrs	Polycarbonate	12VDC	24V Pasv	36Ah	50W
RPPL1248-36-50	7.5W	29hrs	Polycarbonate	12VDC	48V Pasv	36Ah	50W
RPPL12AT-36-50	7.5W	29hrs	Polycarbonate	12VDC	PoE+ 48V	36Ah	50W
RPPL2424-36-50	7.5W	29hrs	Polycarbonate	24VDC	24V Pasv	36Ah	50W
RPPL2448-36-50	7.5W	29hrs	Polycarbonate	24VDC	48V Pasv	36Ah	50W
RPPL24AT-36-50	7.5W	29hrs	Polycarbonate	24VDC	PoE+ 48V	36Ah	50W

*6 hrs peak sun

For further information contact:

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