

Outdoor Remote Power Systems

Features

- Complete Remote Power Solution for Off-Grid operation
- Weatherproof, UV resistant, outdoor enclosures
- Lithium LiFePO4 Batteries for small size, light weight and extended life.
- Enclosures can be Wall or Pole Mounted
- 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™ *Lithium* series outdoor power systems are designed for applications that require a primary off-grid power source to run various electronics. The sealed and weatherproof enclosures provide some extra space inside for customer electronics.

All enclosures are hinged and gasket sealed. The PL enclosure 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 25 year power output guarantee. The solar panels can be mounted to a 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 Lithium batteries. Enclosures have multiple ports for CAT5 cable, antenna cables/connectors or other cabling. They are vented.

Batteries used are a high quality Lithium-ion LiFePO4 battery with 5-7year life in normal use.



Specifications

	RPDC1212-19L-30	RPDC1212-19L-60	RPPL1212-76L-60
Rated Power Generation	8W (6hrs sun)	10W (4hrs sun)	15W (6hrs sun)
Reserve Time @ Rated Power	24hrs	20hrs	48hrs
POE Output Voltage (DC)	12V1A		
Secondary Voltage Out (DC)	12V 1.5A		
Battery Capacity (Amp Hours)	19Ah	76Ah	
Battery Voltage (DC)	12V		
Battery Type	Lithium-ion LiFePO4 12V 19Ah		
Battery Life	5 – 7 Years		
Controller Type	Dual Input: Solar/POE, Dual Output: Wire Terminal & 12V Passive POE		
Overcharge Protection	14.5V		
Over-discharge protection	12.0V		
Over-discharge recovery volts	13.0V		
Controller Self Consumption	<0.5W		
Enclosure Type	Die Cast Aluminum	Polycarbonate	
Enclosure External Size	11 x 8.5 x 3.5" (279 x 216 x 89mm)	17.5 x 12.5 x 6" (445 x 318 x 152mm)	
Enclosure Internal Size	10 x 7.75 x 3" (254 x 197 x 76mm)	14 x 10 x 5" (356 x 254 x 127mm)	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)		
System Weight (no batteries)	18lb (8.2kg)	21lb (9.5kg)	21lb (9.5kg)
Battery Weight	4.9lb (2.2kg)		20lb (9kg)

Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- Tycon Power Systems RemotePro™ systems carry a 2 year limited warranty.

System Ordering:

Model #	Continuous Power Generation	Enclosure Type	Battery Voltage	POE Output Voltage	Battery Capacity	Solar Panel Size
RPDC1212-19L-30	8W	Die Cast	12VDC	12VDC	19Ah	30W
RPDC1212-19L-60	10W	Die Cast	12VDC	12VDC	19Ah	60W
RPPL1212-76L-60	15W	Polycarbonate	12VDC	12VDC	76Ah	60W

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