
Outdoor Remote Power Systems

Features

- Complete Remote Power Solution for Off-Grid operation
- Weatherproof Nema 4X / IP65, UV resistant, outdoor enclosures
- Generous interior space for customer electronics
- 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™ 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 have a generous amount of space inside and a removable mounting plate for mounting all types of customer electronics.

All enclosures are hinged and gasket sealed. The PL enclosure can accept a padlock or tamper seal. The ST enclosure is equipped with 2 tamper proof closures that are operated by a special key (included).

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 5W and 10W solar panels are mounted directly to the DC enclosure saving space and making a more convenient assembly. The 30W and 60W solar panel 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 valve regulated sealed lead acid batteries. The PL and ST systems include a controller with built in POE inserter and DCDC converter to supply up to 48V POE from the 12V battery system. Enclosures have multiple ports for CAT5 cable, antenna cables/connectors or other cabling. They are vented to prevent residual buildup of hydrogen gas.

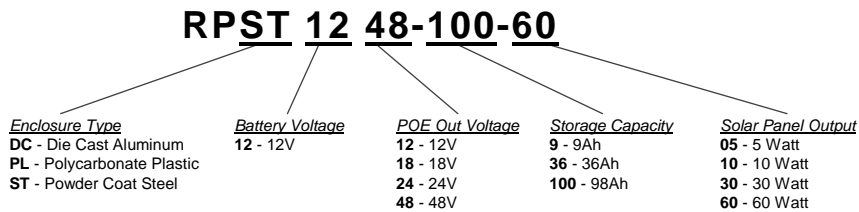
Batteries in the DC and PL enclosures are an Advance Glass Matt (AGM) type which have good all temperature performance. The ST enclosure uses a high performance GEL battery which gives the best available deep discharge and temperature performance.

Specifications

	RPDC12-9-05	RPDC12-9-10	RPPL12xx-36-30	RPST12xx-100-60
Rated Power Generation	1.25W	2.5W	8W	15W
Reserve Time @ Rated Power	72 hrs	36 hrs	45 hrs	66 hrs
POE Output Voltage (DC)	12V		12V, 18V, 24V, 48V	12V, 18V, 24V, 48V
Battery Capacity (Amp Hours)	9Ah		36Ah	98Ah
Battery Voltage (DC)	12V			
Battery Type	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)			Valve Regulated Sealed Lead Acid GEL
Battery Life	5 Years			
Controller Type	PWM Solar Controller		Dual Input: Solar/POE, Dual Output: Battery Voltage/POE with DCDC Converter	
Overcharge Protection	14.4V			
Over-discharge protection	11.0V			
Over-discharge recovery voltage	12.0V			
Controller Self Consumption	<0.5W			
Enclosure Type	Die Cast Aluminum		Polycarbonate	Powder Coat Steel
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)	24 x 15 x 14" (610 x 381 x 356mm)
Enclosure Internal Size	10 x 7.75 x 3" (254 x 197 x 76mm)		14 x 10 x 5" (356 x 254 x 127mm)	23 x 14 x 12" (584 x 356 x 305mm)
Space available for Customer Electronics	7.75 x 5 x 1.25" (197 x 127 x 32mm)		7 x 7 x 4" (177 x 177 x 102mm)	12 x 12 x 12" (305 x 305 x 305mm)
Operating Temperature	-30°C to +60°C (-22°F to 140°F)			
System Weight (no batteries)	10lb (4.5kg)	12lb (5.4kg)	12lb (5.4kg)	55lb (25kg)
Battery Weight	5.5lb (2.5kg)		22lb (10kg)	70lb (32kg)

System Ordering:

Model #	Continuous Power Generation	Enclosure Type	Battery Voltage	POE Output Voltage	Battery Capacity	Solar Panel Size
RPDC12-9-05	1.25W	Die Cast	12VDC	12VDC	9Ah	5W
RPDC12-9-10	2.5W	Die Cast	12VDC	12VDC	9Ah	10W
RPPL1212-36-30	8W	Polycarbonate	12VDC	12VDC	36Ah	30W
RPPL1218-36-30	8W	Polycarbonate	12VDC	18VDC	36Ah	30W
RPPL1224-36-30	8W	Polycarbonate	12VDC	24VDC	36Ah	30W
RPPL1248-36-30	8W	Polycarbonate	12VDC	48VDC	36Ah	30W
RPST1212-100-60	15W	Steel	12VDC	12VDC	98Ah	60W
RPST1218-100-60	15W	Steel	12VDC	18VDC	98Ah	60W
RPST1224-100-60	15W	Steel	12VDC	24VDC	98Ah	60W
RPST1248-100-60	15W	Steel	12VDC	48VDC	98Ah	60W

Part Number Definition:

Note: A wind turbine can be added to any system simply by mounting the turbine to the pole and installing the wind turbine controller inside the enclosure. The wind turbine controller and solar controllers are connected to the batteries in a parallel fashion.

TPW-200-12 200W 12V Wind Turbine with Controller

TPW-400-12 400W 12V Wind Turbine with Controller

Notes:

- All shipments F.O.B. Draper, UT 84020
- Tycon Power Systems RemotePro systems carry a 2 year limited warranty.

**For further information contact:**

Tyconpower.com

