

Outdoor Remote Power Systems

Features

- Complete Remote Power Solution for Off-Grid operation
- Weatherproof, UV resistant, outdoor enclosures
- Enclosure 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. Enclosures are hinged and gasket sealed. The PL enclosure can accept a padlock or tamper seal. The advanced polycarbonate enclosure is UV protected for years of reliable service in the harshest climates.

The enclosures can be mounted to a wall or 2" to 4" pole with the included mounting bracket system. They can be mounted to larger diameter poles using larger pole straps.

The high quality solar panels have a 25year power output guarantee. The solar panel can be mounted to a 2" to 4" diameter pole or alternately to a wall with the included bracket kit. The solar mount is easy to assemble and provides tilt adjustment and 90MPH survivability rating. The mount is aluminum construction with stainless steel hardware for long life.

Features include an advanced battery charge controller to protect against over-charging or over-discharging of the valve regulated sealed lead acid batteries. The controller can supply up to 20A from its load output. Interface to the controller is via wire terminals. Status LED's give quick indication of charge/discharge status. The controller turns off the load when the battery voltage drops too low to protect the batteries from overdischarge. It automatically recovers when the solar panel starts recharging the batteries.

Batteries in the PL enclosures are an Advance Glass Matt (AGM) type which have good all temperature performance. They are designed to be able to be mounted at any angle.



Specifications

| | RPPL12-36-70 |
|---|--|
| <i>Rated Power Generation (3hrs Peak Sun)</i> | 8W |
| <i>Reserve Time @ Rated Power</i> | 27hrs |
| <i>Load Output Voltage (DC)</i> | 12V 20A |
| <i>Battery Capacity (Amp Hrs)</i> | 36Ah |
| <i>Battery Voltage (DC)</i> | 12V |
| <i>Battery Type</i> | Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM) |
| <i>Battery Life</i> | 5 Years |
| <i>Controller Type</i> | PWM |
| <i>Overcharge Protection</i> | 14.4V |
| <i>Over-discharge protection</i> | 11.0V |
| <i>Over-discharge recovery volts</i> | 12.0V |
| <i>Controller Self Consumption</i> | <0.5W |
| <i>Enclosure Type</i> | Polycarbonate |
| <i>Enclosure External Size</i> | 17.5 x 12.5 x 6" (445x318x152mm) |
| <i>Enclosure Internal Size</i> | 14 x 10 x 5" (356x254x127mm) |
| <i>Solar Panel Dims</i> | 30.5" X 26.6" |
| <i>Operating Temperature</i> | -30°C to +60°C (-22°F to 140°F) |
| <i>System Weight (no batteries)</i> | 22lb (10kg) |
| <i>Battery Weight</i> | 22lb (10kg) |
| <i>Wind Speed Rating</i> | 90MPH |
| <i>Warranty</i> | 2 Years |

System Ordering:

| Model # | Continuous Power Generation | Enclosure Type | Battery Voltage | Battery Capacity | Solar Panel Size |
|--------------|-----------------------------|----------------|-----------------|------------------|------------------|
| RPPL12-36-70 | 8W | Polycarbonate | 12VDC | 36Ah | 70W |

For further information contact:

Tyconpower.com

