



## DATA SHEET

### Outdoor Remote Power Systems

#### Features

- Complete Remote Power Solution for Off-Grid Operation
- Weatherproof Outdoor Enclosure with up to 400Ah Battery
- Enclosures can be Wall or Pole Mounted
- High Performance Sealed Lead Acid Batteries
- MPPT Charge Controllers with Temp Compensation
- Thermostatically Controlled Ventilation



#### Applications

- Wireless Base Stations
- Surveillance Cameras
- Wireless Bridge and Repeaters
- Off Grid Power
- Remote Lighting
- Backup Power Systems

#### Description

The RPSTLxxM RemotePro® series outdoor power systems are designed for applications that require a primary off-grid power source to run various equipment. The vented weatherproof enclosures have generous space available inside for mounting customer equipment. A 19" 1U rackmount feature is integral to the enclosure as are multiple DIN Rail mounts.

All enclosures are hinged and gasket sealed with locking latches for security. The latches can be locked using a standard customer supplied padlock.

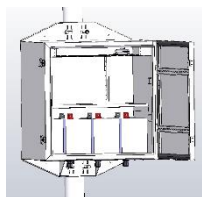
The enclosures can be mounted to a wall or pole with the included mounting bracket system. Poles up to 11" diameter can be accommodated.

The high quality solar panels have a 25year power output guarantee. The 320W panel can be mounted to a pole or wall with the included side-of-pole mounting system. The 650W and 1300W panel systems come with a top-of-pole mount which includes the pole and concrete anchors for anchoring the flanged pole to a foundation.

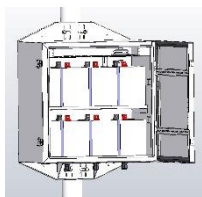
The systems feature a state-of-the-art, temp compensated, MPPT charge controller with voltage and current monitoring. The outputs support up to 20A - unregulated. Enclosures have three cable gland ports for CAT5 cable, antenna cables/connectors or other cabling. The enclosures include a thermostatically controlled fan which turns on automatically when the temperature exceeds 45°C.

Batteries are a Non-Spillable Valve Regulated Sealed Lead Acid Advance Glass Matt (AGM) type which have excellent temperature and deep discharge performance. Expected battery life exceeds 5 years.

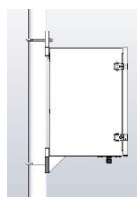
The systems come with all cabling required to connect the batteries to the controller and 20' outdoor rated cable to connect the solar panels to the controller.



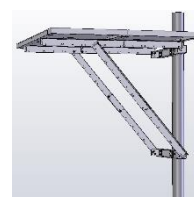
RPSTL with 200Ah of battery



RPSTL with 400Ah of battery



RPSTL Side View



320W Solar Mount



650/1300W Solar Mount

## Specifications

	RPSTL12M	RPSTL24M	RPSTL48M
<b>Battery Type</b>	Maintenance Free Non Spillable Valve Regulated Sealed Lead Acid AGM		
<b>Battery Life</b>	5+years		
<b>Controller Type</b>	MPPT – Temperature Compensated		
<b>Controller Self Consumption</b>	<1W		
<b>Overcharge Protection</b>	16V	32V	64V
<b>Equalize Charge</b>	14.6V	29.2V	58.4V
<b>Bulk Charge</b>	14.4V	28.8V	57.6V
<b>Float Charge</b>	13.8V	27.6V	55.2V
<b>Over-discharge protection</b>	11V	22V	44V
<b>Over-discharge recovery volts</b>	12V	24V	48V
<b>Enclosure Type</b>	2" to 11" Pole/Wall Mount, Powder Coat Steel		
<b>Enclosure External Size</b>	24.1 x 24.1 x 17.5" (612.5 x 612.5 x 445.6mm)		
<b>Enclosure Internal Size</b>	23.9 x 23.9 x 16.1" (608 x 608 x 409.5mm)		
<b>Internal Mount Features</b>	1U 19" Rackmount (13.9" depth), 4" Long Din Rails(4), Din Rail Mounts(4)		
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)		
<b>Wind Speed Rating</b>	90MPH		
<b>Warranty</b>	3 Years		

Solar Panel	Dimensions	System Weight (without Batteries)
320W	67.5" x 52.5" (1.7m x 1.3m)	158lb (72kg)
650W	66" x 79" (1.6m x 2m)	407lb (185kg)
1300W	132" x 79" (3.4m x 2m)	487lb (221kg)

12V Battery Ah	Battery Weight
200Ah	152lb (69kg)
400Ah	304lb (138kg)

### RPSTL 12M-100-320

<b>Enclosure Type</b> STL - Powder Coat Steel	<b>Battery Voltage</b> 12M - 12V 24M - 24V 48M - 48V	<b>Storage Capacity</b> 100 - 100Ah @ Rated Volts 200 - 200Ah @ Rated Volts 400 - 400Ah @ Rated Volts	<b>Solar Panel Output</b> 320 - 320 Watt 650 - 650 Watt 1300 - 1300 Watt
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## System Ordering:

Model #	Continuous Power Generation @ Min. Peak Sun Hrs	Backup Time	Battery Voltage	12V Battery Capacity	Solar Panel Size
RPSTL12M-200-320	50W @ 3.8hrs	24hrs	12VDC	200Ah	320W
RPSTL12M-400-320	80W @ 6hrs	30hrs	12VDC	400Ah	320W
RPSTL12M-200-650	50W @ 1.9hrs	24hrs	12VDC	200Ah	650W
RPSTL12M-400-650	100W @ 3.7hrs	24hrs	12VDC	400Ah	650W
RPSTL24M-100-320	50W @ 3.8hrs	24hrs	24VDC	200Ah	320W
RPSTL24M-200-320	80W @ 6hrs	30hrs	24VDC	400Ah	320W
RPSTL24M-100-650	50W @ 1.9hrs	24hrs	24VDC	200Ah	650W
RPSTL24M-200-650	100W @ 3.7hrs	24hrs	24VDC	400Ah	650W
RPSTL24M-200-1300	100W @ 1.9hrs	24hrs	24VDC	400Ah	1300W
RPSTL48M-100-320	80W @ 6hrs	30hrs	48VDC	400Ah	320W
RPSTL48M-100-650	100W @ 3.7hrs	24hrs	48VDC	400Ah	650W
RPSTL48M-100-1300	100W @ 1.9hrs	24hrs	48VDC	400Ah	1300W

For further information contact:

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



14641 S 800 W Ste A Bluffdale, UT 84065  
PH: 801-432-0003 FAX: 801-618-4220