



# RPST12/24M-200-255LE

## DATA SHEET

### Outdoor MPPT Remote Power System

#### Features

- Complete Remote Power Solution for Off-Grid Operation
- Weatherproof Outdoor Enclosure with 200AH of Battery
- Enclosures can be Wall or Pole Mounted (pole not included)
- High Performance Sealed Lead Acid Batteries
- MPPT Manageable Charge Controllers
- Thermostatically Controlled Ventilation



RPST 50W Continuous Solar System  
(Tower Structure not included)

#### Applications

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

#### Description

The RPST12/24M-200-255LE RemotePro® MPPT outdoor power systems are a Limited Edition available only for a limited time. They are designed for applications that require a primary off-grid power source to run various equipment. They can support up to 50W continuous power with at least 6hours of Peak Sun and up to 25W continuous power with at least 3hours Peak Sun.

The vented weatherproof enclosures have generous space available inside for mounting customer equipment. Multiple mounting brackets are welded inside the enclosure for mounting DIN rails or flat plates.

The systems can be configured as 12VDC or 24VDC for greater compatibility. The manageable MPPT solar controller improves system efficiency by about 15% meaning that more solar energy reaches the batteries. It supports up to 20A load control.

Enclosures are hinged and gasket sealed with tamper resistant locks for security. They have four cable gland ports for CAT5/6 cable, antenna cables/connectors or other cabling. Included is a thermostatically controlled fan assembly which turns on automatically when the temperature exceeds 40°C.

The high quality solar panels have a 25 year power output guarantee and a +5W output tolerance. The enclosures and solar mount can be mounted to a wall or pole (2-4") with the included mounting systems.

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.

*Note: Tower structures and poles shown in pictures are not included. Pole Mounts are included to mount the system to a existing 2-4" Pole or tower structure.*



4 Battery  
200Ah



MPPT Solar  
Charge Controller

**Specifications**

	<b>RPST12/24M-200-255LE</b>
<b>Rated Power Generation</b>	50W
<b>Reserve Time @ Rated Power</b>	>24hrs
<b>Load Out (DC)</b>	12 or 24VDC, 20A
<b>12V Battery Capacity (Amp Hrs)</b>	200Ah
<b>Battery Voltage (DC)</b>	12 or 24VDC
<b>Battery Type</b>	Maintenance Free Non-Spillable Valve Regulated Sealed Lead Acid AGM
<b>Battery Life</b>	5+ years
<b>Solar Controller Type</b>	MPPT (Maximum Power Point Tracking), Manageable, Temperature Compensated, 20A Max Solar, 20A Max Load Control, LCD Display of Voltages and Currents, Battery %
<b>Bulk Charge</b>	14.4 / 28.8 VDC
<b>Float Charge</b>	13.8 / 27.6 VDC
<b>Over-discharge protection</b>	11.1 / 22.2 VDC
<b>Over-discharge recovery volts</b>	12.6 / 25.2 VDC
<b>Controller Self Consumption</b>	<1W
<b>Enclosure Type</b>	Pole/Wall Mount, Powder Coat Steel
<b>Enclosure External Size</b>	24 x 15 x 14" (610 x 381 x 356mm)
<b>Enclosure Internal Size</b>	23 x 14 x 12" (584 x 356 x 305mm)
<b>Internal Mount Features</b>	DIN Rail/Flat Plate Mounting Brackets Welded to Door and Sides
<b>Solar Panel Dims (LxW)</b>	64.92" x 39.06" (1649 x 992mm)
<b>Operating Temperature</b>	-30°C to +60°C (-22°F to 140°F)
<b>System Weight (no batteries)</b>	136 lb (62 kg)
<b>Battery Weight</b>	161 lb (73 kg)
<b>Wind Speed Rating</b>	90MPH
<b>Warranty</b>	3 Years

**System Ordering:**

<b>Model #</b>	<b>Continuous Power Generation (6hrs peak sun)</b>	<b>Backup Time</b>	<b>Battery Voltage</b>	<b>12V Battery Capacity</b>	<b>Solar Panel Size</b>
RPST12/24M-200-255LE	50W	>24hrs	12 or 24VDC	200Ah	255W

**For further information contact:**

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



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