TYCON Solar®

RPDC RemotePro®

DATA SHEET

Outdoor Remote Power Systems

Features

- **Complete Remote Power Solution for Off-Grid operation**
- **Weatherproof, UV resistant, outdoor enclosures**
- **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**



RemotePro® DC Series

Applications

- **Wireless Base Stations and Clients**
- **Wireless Bridge and Repeaters**
- **Remote Lighting**
- **Surveillance Cameras**
- **Remote Sensors**
- **Backup Power Systems**

Description

The RPDC RemotePro® series outdoor power systems are designed for applications that require a primary off-grid power source to run various electronics.

The die cast aluminum enclosures are hinged and gasket sealed. They can be mounted to a pole or wall with the included mounting bracket system.

The high quality solar panels have a 25year power output guarantee. They can be mounted to a pole or 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. Enclosures are vented to prevent residual buildup of hydrogen gas.

Batteries are an Absorbed Glass Matt (AGM) type which have good all temperature performance.



5W Solar Mount



15W Solar Mount



RPDC Inside

RPDC RemotePro® Series

Specifications

	RPDC12-9-05	RPDC12-9-20
Rated Power Generation (6hrs peak sun)	1.25W	2.5W
Reserve Time @ Rated Power	40hrs	21hrs
POE Output Voltage (DC)	No POE Out	
Secondary Volts Out (DC)	12V 20A	
Battery Capacity (Amp Hrs)	8.5Ah	
Battery Voltage (DC)	12V	
Battery Type	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)	
Battery Life	5 Years	
Controller Type	PWM	
Overcharge Protection	14.4V	
Over-discharge protection	11.0V	
Over-discharge recovery volts	12.0V	
Controller Self Consumption	<0.3W	
Enclosure Type	Die Cast Aluminum	
Enclosure External Size	11 x 8.5 x 3.5" (279x216x89mm)	
Enclosure Internal Size	10 x 7.75 x 3" (254x197x76mm)	
Space available for Customer Electronics	7.75 x 5 x 1.25" (197x127x32mm)	
Solar Panel Dims	11" X 9" (279 x 228 mm)	14"X12" (355 x 305mm)
Operating Temperature	-30°C to +60°C (-22°F to 140°F)	
System Weight (no batteries)	10lb (4.5kg)	
Battery Weight	5.5lb (2.5kg)	
Wind Speed Rating	110MPH (49m/s)	
Warranty	3 Years	

System Ordering:

Model #	Continuous Power Generation (6hrs)	Enclosure Type	Battery Voltage	Battery Capacity	Solar Panel Size
RPDC12-9-05	1.25W	Die Cast	12VDC	8.5Ah	5W
RPDC12-9-20	2.5W	Die Cast	12VDC	8.5Ah	20W

For further information contact:

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RoHS compliant

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Specifications Subject to Change Without Notice