


IMARK

PRODUCT DESCRIPTION

	RPSE 21
	SOLAR POWER SUPPLY 21 Watt Remote Area Solar Power System Imark Stock # 804080 <ul style="list-style-type: none"> ▪ Features: ▪ Compact Size ▪ Easy Installation ▪ Designed to withstand Region C Wind loadings ▪ Locking Stainless Steel Equipment Cabinet ▪ Sealed against Vermin & Moisture ingress ▪ Solar Regulator included ▪ 320Ahr Sealed Lead Acid Battery Bank included ▪ 12 Volt Operation ▪ 24 Volt or 48 Volt versions available ▪ Lightning Protection included ▪ Radio Equipment (optional) ▪ Mounts to any triangular mast section ▪ Antenna & Feeder Cables (optional) ▪ Ample Room for Radio or other Equipment

DESCRIPTION:
<p>The Imark RPSE 21 Watt Remote Power System Enclosure is supplied as a complete operational Solar Power System ready for installation at remote sites. It is ideal to power remote radio equipment. The system includes 1 x UniSolar US21 Solar panel, a Plasmatronics PR1210 Solar Regulator, and 3 x Battery Energy 4SG320 batteries to provide 320Ahr battery capacity at 12Vdc. Also included is a PolyPhaser IS12VDC30AFG floating ground lightning protector for the Solar Panel input, and all the necessary installation hardware. The Solar Panel is mounted above the equipment cabinet to provide passive cooling. The cabinet is sealed and all cabling is enclosed within flexible conduits to prevent the ingress of dust, moisture, and vermin. The complete assembly is designed to be attached to two vertical upright pipes such as those used for Antenna Mast construction thereby avoiding the requirement to install concrete footers. The Imark RPSE 21 is therefore suitable and easy to transport and install at remote locations anywhere.</p>

SPECIFICATIONS:	
SOLAR PANEL	
Solar Panel Details	UniSolar US21 21 Watts 12Vdc nominal
Solar Panel Mounting	Stainless Steel brackets attached to the top of the equipment cabinet
ENCLOSURE	
Construction	Stainless Steel with Lockable hinged front door, Sealed, and with cable access via gland fittings.
Cabinet Size	760(H) x 600(W) x 350(D) mm
BATTERY	
Type and Capacity	Battery Energy 4SG320 Sealed Lead Acid, 3 sets 4Vdc 320Ahr each
SOLAR REGULATOR	
Make & Model	Plasmatronics PR1210 10Amp 12Vdc (nominal) capacity
MECHANICAL & PHYSICAL	
Operational Temperature	-0°C to +40°C
Mounting Requirements	4 saddle clamps with adjustable mounting channel (included)
Overall Unit Dimensions	930(W) x 385(D) x 1000(H) mm
Shipping Weight	180 Kgs
Inclusions	All Hardware and Assembly Drawings
Imark Stock #	804080
Options	24Vdc version, 48Vdc version available on special order