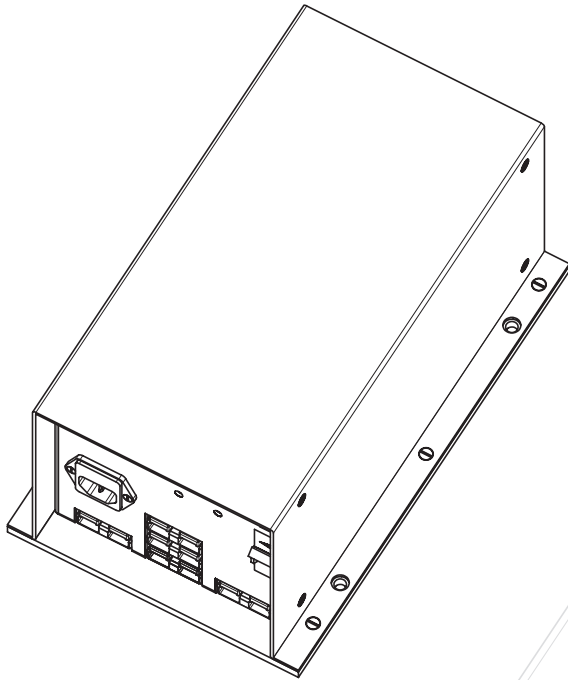


REPEATER

SOLAR/AC CHARGER



SKU# PS-PB-R



OVERVIEW

The Solar/AC Charger manages the charging of batteries for Remote Stations. It is designed to charge the battery bank for long term stable DC voltage supply to a load such as an unmanned REPEATER on high sites.

The batteries can be charged from any available AC source such as a small generator or from any 12V DC supply, such as a wind charger or a solar array etc. 1, 2 or 3 of the 12V solar panels can be connected directly to the Solar Charger depending on the expected power requirements.

The Charger can be connected to a battery bank of up to 400A/Hr. Thus will provide stable and reliable DC supply to the load for 24hrs day for 2 days and upward, depending on the available ac supply, solar or wind charge, the battery capacity and the regularity of the load.

The charger will automatically accept AC and/or DC input and charge the connected batteries.

Should the input charge be unavailable for an extended period while the load is connected, the unit will disconnect the batteries before they are completely discharged and reconnect as soon as any available source is detected.

A military version is available as SKU# PS-PB-RM

POWER SPECIFICATIONS	
Power Rating DC Load:	500W
INPUT SPECIFICATIONS	
Input DC Range:	24 DC Nominal
Input DC Range:	15-25V DC (Solar)
Input Current DC:	5.9 A
Input AC Range 1:	184 - 253 Volt ac
Input AC Range 2:	88 - 121 Volt ac (optional)
Input Current AC:	15A mains
Input Frequency:	50 Hz
OUTPUT SPECIFICATIONS	
Load DC Voltage:	12 Volt dc
DC Load Current limit:	40 A
Load Voltage Nominal	230V ac
Power Factor	0.8
DC Load Current limit:	40 A
Load Voltage Nominal	230V ac
Power Factor	0.8
Frequency	50 Hz
PHYSICAL ATTRIBUTES	
Dimensions (d x w x h):	340 x 210 x 170mm
Weight:	7kg
DC Connectors:	Anderson
AC Input Connector:	IEC 3 pin 320 C13
ENVIRONMENTAL	
Standard:	Industrial, IP 52
Coated:	Epoxy powder
MOUNTING /SECURE	
Placement:	Flat surface
Mounting method:	6 x M8 Bolts / Rubber feet
ADDITIONAL	
Hardware:	1 cable set complete.
Document:	Installation guide



Any 12V (Nominal) solar panel type or an array can be used in parallel to increase charge wattage up to 300W.

For field-deployed remote repeater stations it is recommended to use up to 200Ahr battery capacity and 3x 79W flexible rugged solar panels in parallel. Flexible Solar Panels: SKU# SP-FP-C79

The unit is supplied with a complete cable set which includes:

AC input cable (IEC female to 15A plug)
DC (Solar) input cable (Anderson Black)
DC Load cable (Anderson Red)
DC Battery Cable (Anderson Grey)

DC cables are colour coded to prevent incorrect connections.

***Customer is to confirm cable end terminations for country.**

