

INVERTER CHARGER - BASE STATION

The Inverter Charger will manage all the power supply requirements for Base Stations and is designed to provide stable AC and DC voltage to the load such as communications and Command & Control devices from 24V batteries.

The battery/s can be charged off AC from mains or DC from any source such as a truck or solar or any other 24V DC supply. The Charger can be connected to a battery bank of up to 400A/Hr to charge the battery bank from AC, DC or Solar inputs to provide a stable and reliable DC to the load from the batteries for all 24hrs a day even during mains failures and sun outages.

The inverter is rated 1000 VA to provide a stable AC voltage from the battery bank to supply Command and Control tablet, computers, server, monitors, navigational equipment, VSAT system etc.

The AC also comes in handy to charge tablets, laptop, cell phones, GPS, night vision and such peripheral devices.

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

Fig 1. Front view



Any 24V (Nominal) solar panel type or array can be used provided it has the required voltage ratings.

For field deployed base stations we recommend to add 2 or more our 79W flexible rugged solar panels in series parallel configurations. **SKU# SP-FP-C79**

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

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

DC cables are color coded to prevent incorrect connections.

POWER SPECIFICATIONS	
Power Rating DC Load:	960 W
Power Rating AC Load:	1000VA continues
INPUT SPECIFICATIONS	
Input DC Range:	24 DC Nominal
Input DC Range:	27-48V 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:	24 Volt dc
DC Load Current limit:	40 A
Load Voltage Nominal	230V ac
Max Output Current:	15 A mains, 4A Inverter
Power Factor	0.8
Frequency	50 Hz
PHYSICAL ATTRIBUTES	
Dimensions (d x w x h):	340 x 210 x 170 mm
Weight:	12 kg
DC Connectors:	Anderson
AC Input Connector:	IEC 3 pin 320 C13
AC output Connectors:	IEC 3 pin 320 C14
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