

INVERTER CHARGER VEHICLE



SKU# PS-PB-V

OVERVIEW

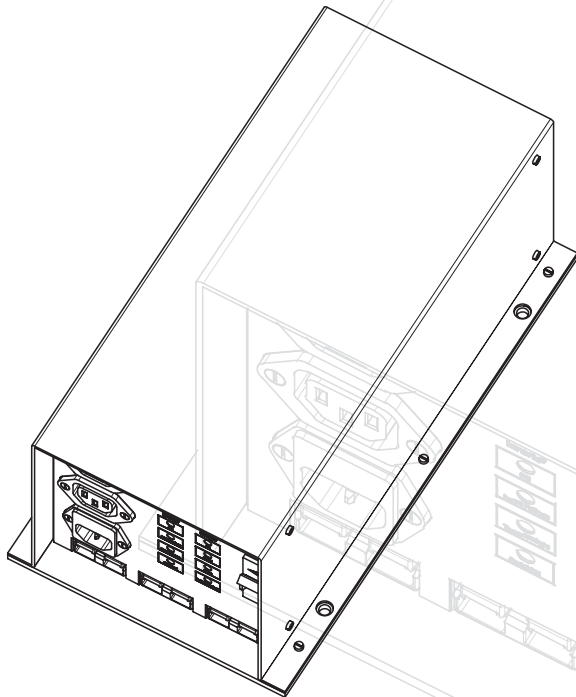
The Inverter Charger will manage all the power supply requirements for Vehicular Stations and is designed to provide a stable AC and DC voltage to the load, such as communications and Command & Control devices from 12V batteries.

The battery/s can be charged off AC from mains, DC from a vehicle alternator and also solar or any other 12V DC supply. The Charger can be connected to a battery bank of up to 200A/Hr to charge the battery bank from AC or Solar inputs. This will 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 to? 500 VA to provide a stable AC voltage from the battery bank in order to supply Command and Control tablets, monitors, navigational equipment, VSAT systems etc.

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

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



| POWER SPECIFICATIONS | |
|-------------------------|-----------------------------|
| Power Rating DC Load: | 480W (40A protection) |
| Power Rating AC Load: | 500VA (2A at 225Vac) |
| INPUT SPECIFICATIONS | |
| Input DC Battery: | 12 dc Nominal |
| Input DC Solar: | 15-24V dc |
| Input Current DC: | 40 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 AC: | 50 Hz |
| OUTPUT SPECIFICATIONS | |
| Load DC Voltage: | 12 Volt dc Nominal |
| DC Load Current limit: | 40A Protected |
| Load Voltage Nominal: | 230V ac |
| Max Output Current: | 15 A mains, 2A Inverter |
| Power Factor: | 0.8 |
| Frequency: | 50 Hz |
| PHYSICAL ATTRIBUTES | |
| Dimensions (d x w x h): | 340 x 190 x 150 mm |
| Weight: | 8.7 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 Steel 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 array can be used provided it has the required voltage ratings.

For field deployable vehicular stations we recommend to add 2 or more of our 79W flexible rugged solar panels in parallel.

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.

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

