1200W-40A
2000W-55A

Understanding the unit features

AC Output Panel

Input

Grounding
cable/s

DC Input

Fan

2000W Unit

Charger

Breaker

AC Input Port 1

AC Input Port 2

Remote Display

Status Indicator

AC Input Wire

DC Input

Fuse or Circuit Breaker

AC Output Port 1

AC Output Port 2

Fuse Holder

Remote Display Connector

Chassis Grounding Connection

Connecting the Inverter-Charger

Input Connection

Output Connection

Important:

The unit is grounded through the ground stud of the unit located near the DC Input terminal and the chassis of the unit is not to be grounded properly before use.

For marine application, to the DC grounding cable wire may be no smaller than the minimum conductor required for the DC current carrying conductors and the conductor is no less than #8 AWG.

For residential application, the unit has to be grounded to the vehicle chassis with a minimum #6 AWG copper conductor.

AC Input Source and Branch Breaker:

Standard AC load in series is required for all the AC connections between the AC source & the AC Input port, and the AC Output port to be linked.

Do not use any circuit breaker to connect between AC source and AC Input port.

Connect the selected fuse to the fuse holder.

Make sure that the AC Input Port on the unit is correctly fitted to the AC Input port on the AC Input source.

Before making any AC Input and output connections, please be sure the AC Input source is not energized and that the AC Input port is not live.

AC Input Connections:

Warning: Please double-check the location of the AC Input port located inside the wiring compartment. The AC Input Port located inside the AC Input compartment and the AC Input port located on the AC Input source may be different.

The AC Input Port located inside the AC Input compartment. Please remove the AC Input source if energized and make sure the AC Input Port is not live.

IMPORTANT: A 12A branch breaker (not provided) is required to connect between the AC source and the Inverter-Charger.

Remove AC compartment cover by unscrewing four screws located at the front of the AC compartment cover.

Connect the AC Input wire sets between the unit AC Input port and the branch breaker terminals.

Connect the AC Input wire sets between the unit AC Input port and the AC source “N” terminal.

AC Output Connections:

Warning: Please be sure that the AC Input source is not energized before making any AC Input and Output connection and that the DC disconnect switch is turned OFF.

The AC Output connection has live types of configurations: Use of the provided AC source [Port (1) to AC Load (2)]

Note: This configuration does not require AC Output installation. Plug in the AC Load to the provided AC input socket. During this bypass, the AC Input port is isolated.

CAUTION: Before beginning unit installation, please study and follow all the battery manufacturer’s specific precautions when installing, using and servicing the battery connected to the unit.

The Sinewave Inverter-Charger can run many AC-powered appliance.

- The use of deep cycle battery is highly recommended for power effective use.
- For battery safety, you must identify what you wish to operate, and for how long. It is recommended that you purchase as much battery capacity as possible. See more on Battery Run Time and Load in Section 4.

Installation:

- Choose an appropriate mounting location.

- The LED on display will turn on. If AC input source is available, it will show the Input Status LED on the Display.

- Before making any AC Input and output connection, please be sure the AC Input source is not energized and that the AC Input port is not live.

- Standard AC load in series is required for all the AC connection between the AC source & the AC Input port, and the AC Output port to be linked.

- CAUTION: Before beginning unit installation, please study and follow all the battery manufacturer’s specific precautions when installing, using and servicing the battery connected to the unit.

- The AC Input Port on the unit is correctly fitted to the AC Input port on the AC Input source.

- Connect the selected fuse to the fuse holder.

- Make sure that the AC Input Port on the unit is correctly fitted to the AC Input port on the AC Input source.

- For indoor use, the unit can be mounted in any direction except vertical orientation.

- WARNING: Fire and/or Chemical Burn Hazard. Do not attempt to correct the interference by one or more of the following methods:

- Reorient or relocate the receiving antenna.

- Increase the separation between the receiver and the equipment causing the interference.

- Consult the manufacturer of the interfering equipment.

- Plug in the AC Input source.

- Standard AC load in series is required for all the AC connection between the AC source & the AC Input port, and the AC Output port to be linked.

- Important:

- Connect both AC output and 5V USB are now available.

- The unit is installed through the ground stud of the unit located near the DC Input terminal and the chassis of the unit is not to be grounded properly before use.

- For marine application, the DC grounding cable wire may be no smaller than the minimum conductor required for the DC current carrying conductors and the conductor is no less than #8 AWG.

- IMPORTANT: A 12A branch breaker (not provided) is required to connect between the AC source and the Inverter-Charger.

- Remove AC compartment cover by unscrewing four screws located at the front of the AC compartment cover.

- Connect the AC Input wire sets between the unit AC Input port and the branch breaker terminals.

- Connect the AC Input wire sets between the unit AC Input port and the AC source “N” terminal.

- Connect the AC Input wire sets between the unit AC Input port and the AC source “N” terminal.

- Connect the selected fuse to the fuse holder.

- Connect an optional 120V external fuse to your electrical circuit.

- Both AC output and 5V USB are now available.

- Make sure that the AC Input Port on the unit is correctly fitted to the AC Input port on the AC Input source.

- Important:

- Connect the Inverter-Charger to the AC Input source.

- Connect to the AC Input port:

- Connect the AC Input wire sets between the unit AC Input port and the AC source “N” terminal.

- Connect the selected fuse to the fuse holder.

- Plug in the AC Input source.

- IMPORTANT: A 12A branch breaker (not provided) is required to connect between the AC source and the Inverter-Charger.

- Remove AC compartment cover by unscrewing four screws located at the front of the AC compartment cover.

- Connect the AC Input wire sets between the unit AC Input port and the branch breaker terminals.

- Connect the AC Input wire sets between the unit AC Input port and the AC source “N” terminal.

- Connect the selected fuse to the fuse holder.

- Plug in the AC Input source.
Understanding the Display Function:

- **Display LED**: Shows the unit's mode of operation.
- **55ADC**: Displays the unit's AC output power in kW.
- **22 hrs.**: Indicates the time since the last power outage.
- **35 Adc**: Displays the unit's AC input power in kW.
- **Battery Voltage**: Shows the battery voltage in DC volts.
- **Green**, **Red**, **Orange**: Represents the status of the battery and the unit.
- **Audi**: Indicates the audio mode.
- **13.5  Vdc**: Fixed voltage setting.
- **8.5  Vdc**: Battery voltage setting.
- **10.5  Vdc**: Alarm setting.
- **15.5VDC**: Fault and warning audible setting.
- **12.6 Vdc**: Under voltage recovery setting.
- **12.1 Vdc**: Under voltage alarm setting.
- **15.0VDC**: Over voltage shutdown setting.
- **15.5VDC**: Over voltage alarm setting.
- **0°C to 40°C**: Operating temperature range.

Understanding the Power and Select push button function:

- Press 'Power' button for 1 second to turn the AC output on/off.
- Press 'Select' button for 5 seconds to set the selected setting and exit to Main Menu.

Understanding the Error Code:

- **CB1**: Load exceeding the maximum allowed load.
- **CB2**: Overcurrent protection activated.
- **AL1**: AC overload.
- **AL0**: AC underload.
- **SdH**: AC output shutdown due to fault.
- **FLo**: AC output operating in float mode.
- **Off**: AC output is turned off.

Understanding the Battery Setting Menu:

- **Battery Type and Voltage Setting (Bulk/Absorption/Float)**:
- **300Ah**: Battery capacity.
- **15 Adc**: Battery charge current.
- **2.5 hrs.**: Battery charge time.
- **35 Adc**: Battery discharge current.
- **5 hrs.**: Battery discharge time.
- **0°C to 40°C**: Battery temperature range.
- **OFF**: Battery is disconnected from the unit.
- **N.R.**: Not recommended.

Understanding the Battery Backup Function:

- **Auto Backup Mode (Factory default setting-"Fd")**: During AC By-Pass mode.
- **1 hrs**: Battery backup time.
- **20 Adc**: Battery charge current.
- **230VAC / 50Hz**: Battery input voltage.

Understanding the Sensor Function:

- **Battery Sense**: Sensor located between the battery and the inverter.
- **Load Sense**: Sensor located between the load and the inverter.
- **Load Sense Off**: Sensor not connected.

Understanding the Device Settings:

- **Function Set Menu**: Allows setting of device parameters.
- **Function Menu**: Displays the current device settings.

Environmental Conditions:

- **Temperature Range**: 
  - Operating: 0°C to 40°C (32°F to 104°F)
  - Storage: -20°C to 70°C (-4°F to 158°F)
  - Temperature variation: 25°C (77°F)
- **Humidity Range**: 95% RH non-condensing
- **Altitude Range**: 0 to 2000 meters
- **Note**: N.R. - Not Recommended

Specifications:

- **Transfer Switch**:
  - Transfer On Time: 0.7 sec
  - Transfer Off Time: 15 sec
  - Transfer Relay Rating: 16A
- **Inverter**:
  - Input Voltage Range: 10.5 - 15 VDC
  - Output Voltage Range: 12.6 - 15.5 VDC
  - Under Voltage Alarm: 11.1 VDC
  - Under Voltage Alarm Recovery: 11.3 VDC
  - Under Voltage Shutdown: 10.5 VDC
  - Under Voltage Shutdown Recovery: 11.3 VDC
  - Over Voltage Shutdown: 16.5 VDC
  - Over Voltage Shutdown Recovery: 15.5 VDC
  - Charge Current: 5A
  - Battery Type: 100Ah or 200Ah
  - Charger Mode: 300Ah or 500Ah
  - Battery Efficiency: 90%
  - Battery Type: Gel, Gel-Acid, Flooded

Warranty:

- **One Year Limited Warranty**:
  - Any implied warranty of merchantability of fitness for a particular purpose.

EC DECLARATION OF CONFORMITY:

- **WhisperPower BV**: Declaration of Conformity, the Netherlands, hereby declares that:
  - **Product**: WhisperPower 80 KWhattitude 82, (807-JB Drachten), 300VAC / 50Hz
  - **Compliance**: With the following standard:
  - **EN 61000-3-2**: 2006-01-01
  - **EN 61000-3-3**: 2006-01-01
  - **EN 61000-3-3**: 2006-01-01
  - **EN 61215**: 2005-06-01
  - **EC DECLARATION OF CONFORMITY**: whisperpower.com or (0031)512 571 550 for general information or (0031)512 571 550 for technical information.

Disclaimer:

- **WhisperPower BV**: No liability is accepted for damage to units from misuse or incorrect installation.
- **WhisperPower BV**: No liability is accepted for damage to units from misuse or incorrect installation.
- **WhisperPower BV**: The above warranty is subject to the following conditions:
  - **No other warranty**: Described herein.
  - **This unit is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, the end user if your product is not covered by the warranty.

Repair:

- **WhisperPower BV**: May, at its option, replace the unit, free of charge. If the unit is repaired, new or reconditioned replacement parts may be used, at manufacturer's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted at the same terms and conditions for the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items.

Limitations:

- **WhisperPower BV**: The above warranty does not cover accessories, such as adaptors and batteries, damage or defects that result from natural wear and tear (including ships, broken, obsolescence, deterioration or failure due to usage or exposure to weather, accidents, damage during shipping or installation, batteries, or incorrect use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, the end user if your product is not covered by the warranty.

Return policy:

- **WhisperPower BV**: If you are experiencing any problems with your unit, please contact our customer service department at info@whisperpower.com or (0031)512 571 550 before returning product to retail store.
  - **WhisperPower BV**: After speaking to your customer service representative, if products are deemed non-working or malfunctioning, the product may be returned to the purchasing store within 30 days of original purchase. Any defective unit that is returned to manufacturer within 30 days of the date of purchase will be replaced free of charge.