



XPower Inverter 150

Owner's Guide



3 XPower 150 Inverter Features

This section describes the main features of the XPower 150. Figure 1 shows the inverter's AC panel.

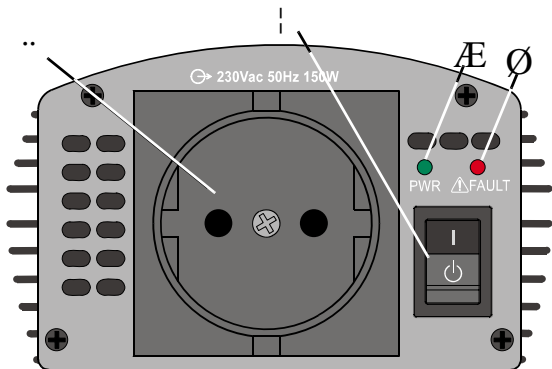


Figure 1 AC Panel on the XPower 150 (European Outlet)

AC Outlet An AC outlet is located on one end of the XPower 150. It allows you to plug in a 230 volt AC load with a power consumption of 150 watts or less.

The AC outlet on your inverter may be different from the one shown here. For all available outlets, see Figure 2, Figure 3, and Figure 4 on page 6.

On/Standby Switch The two positions on the On/Standby switch are indicated as follows: ⏻ = Standby and ⏻ = On.

When the inverter is connected to a DC power source and the switch is on, AC power is available at the AC outlet.

⚡ Power Light The green PWR light is on all the time when the On/Standby switch is on.

⚠ Fault Light The red ⚠ FAULT light indicates that the inverter has shut down because of low or high battery voltage, AC overload, or excessively high temperatures.

Audible Alarm An audible alarm warns you of a high-temperature shutdown or of an impending low battery voltage shutdown.

AC Outlets

Depending on your geographic location, your XPower 150 will have one of the following AC outlets.

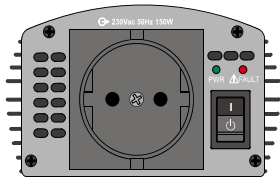


Figure 2 European AC Outlet

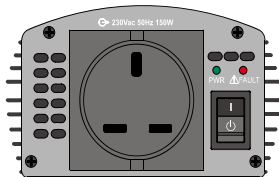


Figure 3 British AC Outlet

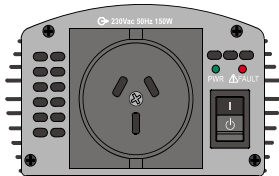


Figure 4 Australian and New Zealand AC Outlet

4 Connecting the XPower 150

Choosing a Location

For best performance, choose a location that is:

- **Dry** Do not expose the inverter to water drip or spray.
- **Cool** Operate the inverter in ambient temperatures between 0° C and 40° C (32° F and 100° F). Keep it away from heating vents and direct sunlight.
- **Well ventilated** For proper cooling, allow at least 5 cm (2 in.) of clearance around the inverter.
- **Clean and free of dust and dirt** Choose a location that is free of any debris that could get into the inverter.

Connecting

To connect the inverter:

1. Place the inverter on a flat surface like the vehicle's dashboard. Use the floor only if it is dry and free of debris that could get into the inverter.
2. Plug the inverter's DC lighter plug into the vehicle's cigarette lighter socket or a 12 volt outlet.
3. Turn on the inverter's On/Standby switch. The green PWR light comes on, and AC power is available at the outlet.

Note: You may need to turn the vehicle's ignition key to the accessory position.

4. Plug in the AC load you want to operate.

8 Specifications

Specifications may change without notice.

Electrical

| | |
|---|--|
| AC receptacles | 1 |
| AC output voltage | 230 volts AC \pm 5% |
| AC output frequency | 50 Hz \pm 3 Hz |
| AC output waveform | Modified Sine Wave |
| Maximum continuous AC output power | 150 watts |
| Maximum AC output surge power | 300 watts |
| DC input voltage range | 10–15 volts DC |
| Battery drain with no AC load (at 12V input) and inverter switch on | 0.18 amps |
| Efficiency (optimal) | 90% |
| Ambient operating temperature range | 0° C–40° C (32° F–100° F) |
| Low battery alarm trigger point | 10.7 volts DC |
| Low battery voltage shutdown | 10.0 volts DC |
| High battery voltage shutdown | 15 volts DC |
| Over-temperature shutdown | Automatic shutdown and automatic restart |
| Overload shutdown | Automatic shutdown and automatic restart |
| Internal Fuse | 25 amps |

Physical

| | |
|------------------------|---|
| Dimensions (L x W x H) | 156mm x 103mm x 62mm (6.2 in. x 4.1 in. x 2.5 in.) |
|------------------------|---|

| | |
|--------|-------------------|
| Weight | 0.65 Kg (1.5 lb.) |
|--------|-------------------|

Regulatory

| | |
|---------|-----------------------|
| CE Mark | Low Voltage Directive |
|---------|-----------------------|

| | |
|--------|--------------------------|
| e Mark | Automotive EMC Directive |
|--------|--------------------------|

| | |
|--------|----------------------|
| TUV/GS | Certified to EN60950 |
|--------|----------------------|

| | |
|---------------|---|
| Environmental | Complies with the EU's "Restriction of Hazardous Substances" Directive 2002/95/EC |
|---------------|---|

Product Recycling



Do not dispose of this product with general household waste!

Electrical appliances marked with the symbol shown must be professionally treated to recover, reuse, and recycle materials, in order to reduce negative environmental impact. When the product is no longer usable, the consumer is legally obligated to ensure that it is collected separately under the local electronics recycling and treatment scheme. See www.xantrex.com.
