



Home Inverter

MERCURY XPR Series (1000VA-2400VA)

XPR series is a home inverter built-in high efficiency inverter and large power charger to delivery stable power output in a compact size. When utility power is available, inverter works at rectifier mode and charges the batteries; when utility power is outage, inverter works at battery mode, the battery delivery power for the load.

XPR1000/1200/2000/2400 with high efficiency to convert DC power into AC power and reliable power output for the following applications provide continuous and stable power output by 600/720/1200/1440 watts.

Features

High Reliability

- Built-in AC charger and inverter
- Fully automatic restart operation
- Overvoltage / undervoltage / short circuit / overload / over-temperature/battery poles anti-reverse protection
- Mains and inverter switch quickly
- Allowed to cut off DC when the power is on, automatically switch to bypass and does not affect the supply to the load for convenient battery maintenance and replacement

High Charging Current: 20 A for 1000/1200/2000/2400VA

High Efficiency, Minimize Charging Loss

- Advanced technology to optimize battery life
- The battery voltage is too high or too low, the inverter shutdown output and automatic recovery if the battery voltage is back to normal

Load Compatibility

- Inverter shutdown output due to overload, after eliminating the overload, inverter will automatically restore the output power
- Support power on without DC, you can run only the mains input. This feature allows first put into inverter to use and then install the battery

Cheap, Cost-Effective And Flexible select

- DC 12V/24V, AC 220/230/240V output
- User-friendly design, easy to install and operate
- Different outlet options

Applications

- TV, stereo, desktop or notebook computer and other home appliances
- Cars, electric cars, trains, yachts, ships
- The power outage place: homes, offices, stores
- Field operations, tourism
- Night commercial activities Location: night market, shops, stalls, farms, etc



1. Battery Connection Cover
2. Input Plug
3. Output Sockets
4. Voltage Range Switch
5. Charging Current Range Switch
6. Over Current Circuit Breaker

Technical data

Model (XPR)	1000VA	1200VA	2000VA	2400VA
Rated Power	1000VA/600W	1200VA/720W	2000VA/1200W	2400VA/1440W

DC Input

Battery (Vdc)	12	12	24	24
Constant Charger Voltage (Vdc)	14.3	14.3	28.6	28.6
Floating Charge Voltage (Vdc)	13.7	13.7	27.4	27.4
Low-battery Alarm Voltage (Vdc)	10.2	10.2	20.4	20.4
Overcharge Protection (Vdc)	15	15	30	30
Shutdown Voltage (Vdc)	9.9	9.9	19.8	19.8
Backup Time	The Backup Time is up to Battery Capacity			

AC Input

Phase	L+N
Input Voltage (Vac)	90~290
Input Frequency (Hz)	50/60 (Auto Detection)

AC Output

Output Voltage	220/230/240 ±10% (Adjustable)
Output Frequency (Hz)	50/60 (Auto Sensing)
Output Power Factor	0.6
Overload Capability	line Mode: 110%<Load<130, 5min; >130%, Shut Down; Battery mode: 110%<Load<120, 15s; >120%, Shut Down
Transfer Time	20ms typical
Output Waveform	Modified Sine Wave

System

Efficiency	AC to DC: >95%; DC to DC: >82%			
Noise (1m front)	<55dB			
Operation Temperature (°C)	0~40			
Humidity	0~90% Non-condensing			
Storage Temperature (°C)	-15~50			
Altitude (m)	1000			
Net Dimension (W*D*H mm)	231.5*293*82.5			
Net Weight (kg)	2.5	2.5	2.7	2.7

Style USA



Style China



Style Europe



Multi-function Socket



Style IEC standard



Style South Africa



Style British



Style Brazil

