

NEXUS SERIES

Pure Sinewave Inverter with Transfer Switch

NX-WAVE3000



Stable

-Advanced SPWM modulation technology with pure sine wave output and high power quality.

-High power density and long-life devices are selected to support long-term operation at full power.

Efficiency

-High conversion efficiency, low loss, low harmonic distortion rate

-Supports ECO energy-saving mode to maximise power savings

-UPS function: utility bypass, inverter output

Intelligent

- Bluetooth as standard, supports mobile phone app to view device operating parameters.

- Multiple expansion interfaces to meet the diverse needs of users.

Safety

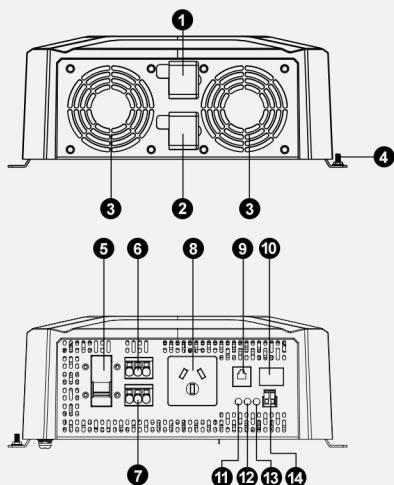
-With battery over-voltage, over-discharge protection, output overload, short-circuit protection

-And over-temperature protection (note that there is no reverse-connection protection; please do not reverse the connection)

-N-G earthing protection in inverter mode

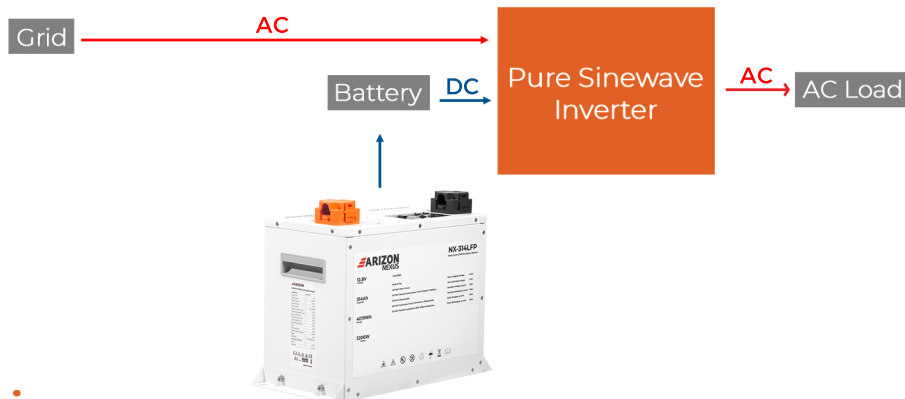
-Anti-surge design for lithium battery power supply system

-With RCD leakage-protection switch design



Mode 1-Mains First

Mode 2-Inverter First



Main

Items

NX-WAVE3000 - 3kW

Mains

Rated Input Voltage	12Vdc
Input Voltage Range	10.8 ~ 16.0Vdc
Rated output power	3,000W
Withstand instantaneous impact power	6,000W
Output voltage	220VAC/230VAC(default)/240VAC (±2%)
Output Frequency	50HZ(default)/60HZ(±0.1 %)
Output Waveform	Pure Sine Wave
THD	THD<4% (Pure Resistive Load)
Power Factor	1.0
Rated Output Efficiency Max.	>87.0%
Output Efficiency	>92%
Standby loss	<3W
No-load loss	<16W
AC Input Voltage	Single-Phase: 180-265VAC
AC Input Frequency	45~ 65HZ
AC IN Rated Input Current	16A

General

Dimensions	400*300*116mm
Weight	8.0kg
Ambient Temperature	-20°C ~60°C
Moisture	≤95%
Protection Degree	IP20
Cooling Method	Neutral Cooling+ Intelligent Fan
Noise	≤60dB

Port

No	Port	No	Port
1	Battery postive terminal	10	ON/OFF/ECO Mode Switch
2	Battery negative terminal	11	Inverter Indicator
3	Cooling fan	12	Bypass indicator
4	Grounding terminal	13	Malfunction indicator
5	Output AC RCD earth leakage protection switch	14	External switch contact interface
6	AC InputTerminal		
7	AC InputTerminal 1		
8	AC Input Terminal 2		
9	RS485 communication interface		

*Please read user manual for more information