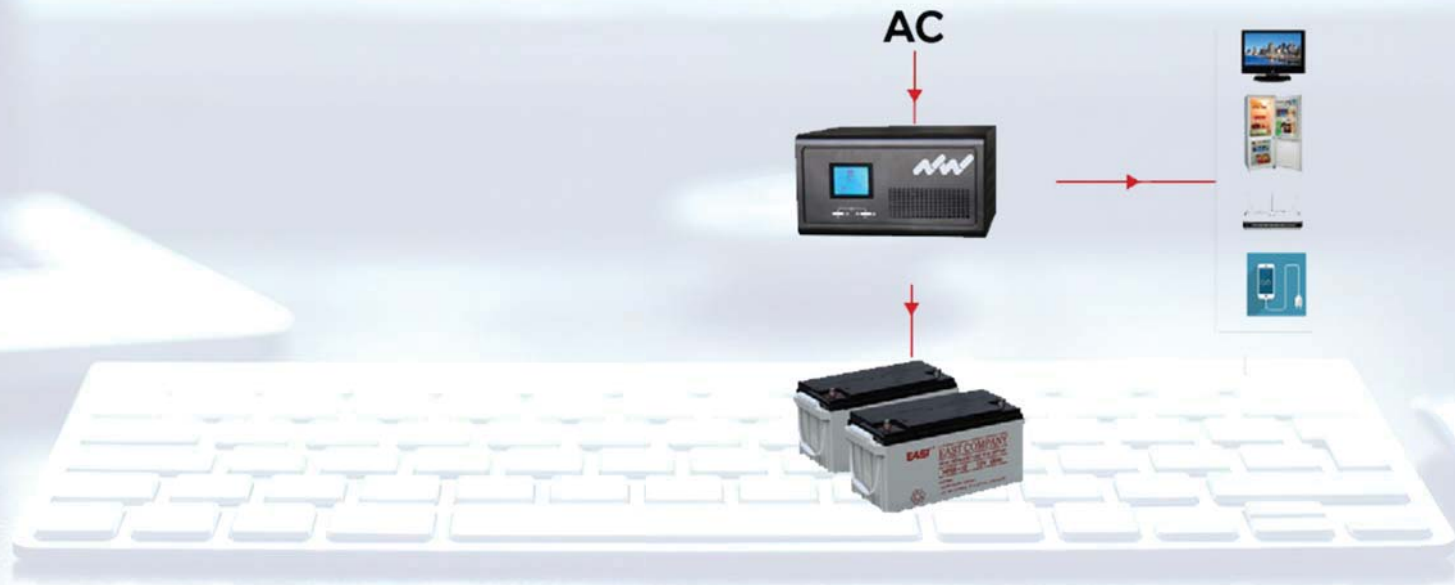


## Nextwave 2500 W DC/AC Inverter

The Pure Sine Wave Inverter is desirable long backup power solution for home and office appliances. It is not only an inverter but also contains a powerful intelligent charger. It provides pure sine wave power to all kinds of loads. And it can be used as UPS for computers as well.

### Features

- DSP digital control technology
- Pure sine wave output
- Suitable for all kinds of loads, such as resistive, inductive and rectified loads and motors
- Use of pulse by pulse technology, improving load shock ability
- Charge current Max. 60 A. Settable charge current and charge voltage on front panel
- Settable no-load shutdown and energy saving mode
- Short circuit, overload and low battery protection
- Intelligent long backup time up to 10 hrs (based on battery bank and loads)
- Compatible with generators and matching of inverter and generator is settable



MODEL	Nextwave2500 W
Cabacity	2500 W
<b>DC INPUT</b>	
Nominal input voltage	24 V
DC input voltage range	20 ~ 30 V
<b>AC INPUT</b>	
Bypass voltage	0 ~ 264 Vac for 220 / 230 / 240 Vac, 0 ~ 132 Vac for 100 / 110 / 115 / 120 Vac
AC voltage	150 ~ 282 Vac for 220 Vac, 156 ~ 294 Vac for 230 Vac, 163 ~ 307 Vac for 240 Vac, 68 ~ 128 Vac for 100 Vac, 75 ~ 141 Vac for 110 Vac, 79 ~ 148 Vac for 115 Vac, 82 ~ 154 Vac for 120 Vac
Frequency	50 / 60 Hz (auto-sensing & settable: 5% ~ 15%, default 15%), 42.5 ~ 57.5 Hz for 50 Hz, 51 ~ 69 Hz for 60 Hz
Input voltage of generator	99 ~ 282 Vac for 220 Vac, 104 ~ 294 Vac for 230 Vac, 108 ~ 307 Vac for 240 Vac, 45 ~ 128 Vac for 100 Vac, 50 ~ 141 Vac for 110 Vac, 52 ~ 148 Vac for 115 Vac, 54 ~ 154 Vac
Input frequency of generator	40 ~ 70 Hz
Input power limitation	Rated power 10% ~ 150%, regulating step 10%, default 120%
<b>OUTPUT</b>	
DC mode output voltage	220 / 230 / 240 Vac $\pm$ 5% or 100 / 110 / 115 / 120 Vac $\pm$ 5% (settable)
AC mode output voltage	174 ~ 242 Vac for 220 Vac, 182 ~ 253 Vac for 230 Vac, 190 ~ 264 Vac for 240 Vac, 79 ~ 109 Vac for 100 Vac, 87 ~ 121 Vac for 110 Vac, 93 ~ 125 Vac for 115 Vac, 95 ~ 133 Vac
Nominal output frequency	50 / 60 Hz $\pm$ 0.3 (auto-sensing & settable)
Output waveform	2500 W
Efficiency	Max. 95% (mains mode); Max. 80% (inverter mode)
ECO mode	Settable, load < 3%, enter in 80 s
No-load shutdown	Settable, time can be set (1 ~ 99 min), load can be set (3% ~ 50%)
Transfer time	$\leq$ 10 ms
Power factor	1
THDV	< 5% (linear load)
Inductive load	YES
Motor load	YES
Rectifier load	YES
Overload	Mains mode: 110% for 120 s, 125% for 60 s, 150% for 10 s (switch to bypass) Inverter mode: 110% for 60 s; 125% for 10 s; 150% for 10 s (shut down)
<b>BATTERIES</b>	
Charging current (selectable)	Default 20 A, regulating step 1 A (< 10 A) / 5 A (> 10 A) Max. 50 A
Equalizing charge voltage	Single battery 14.4 Vdc (default), 13.6 ~ 15 Vdc adjustable
Floating charge voltage	Single battery 13.7 Vdc (default), 13.2 ~ 14.6 Vdc adjustable
Charge mode	3 stage charge mode
DOD	Single battery 10.8 Vdc (default), 9.6 ~ 13 Vdc settable
EOD	Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable
Reverse warning	Buzzer
<b>OTHERS</b>	
Protections	Overload – short-circuit – overvoltage – undervoltage – overcharge – overtemperature – excessive low battery
Human-machine interface	LCD & BUZZER
Operating temperature	0°C ~ 40°C
Operating humidity	Relative humidity $\leq$ 93%
Net weight (kg)	14.0 / 14.6
Dimensions (W x D x H) (mm)	293 x 280 x 160

#### Rear Panel

- 1.Input
- 2.Output
- 3.Battery Breaker
- 4.Battery input
- 5.Fuse
- 6.AC Breaker
- 7.fan

