

Nextwave Giga power 1KVA ONLINE

Features

- High frequency on-line double conversion technology.
- DSP (Digital signal processors) control technology.
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz) .
- Auto sensing frequency.
- 50 / 60 Hz frequency conversion
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode.
- Cold start
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3 h (standard model UPS)
- Linear derating in low voltage input reducing battery discharging times
- Settable delayed start when power is restored
- Advanced battery management (ABM)
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP .



Model	Nextwave Giga power 1 kva online
Capacity	1 KVA / 900 W
INPUT	
Rated voltage	208 / 220 / 230 / 240 Vac
Voltage Range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac
Frequency	40 ~ 70 Hz (auto-sensing)
Power factor	≥ 0.99
Bypass voltage range	- 25% ~ +15% (settable)
Total harmonic distortion (THDi)	≤ 6%
OUTPUT	
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)
Voltage regulation	±1%
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz±0.1 Hz (battery mode)
Waveform	Sinusoidal
Power factor	0.9
Total harmonic distortion (THDv)	≤ 2% (linear load), ≤ 5% (non-linear load)
Crest factor	3:1
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 sec >150% for 300 ms
BATTERIES	
DC voltage	24 V (S)
Inbuilt battery	2×9 Ah
Charging current (max.)	1A
Recharge time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery
SYSTEM	
Efficiency	≥ 90% (Mains mode)
	≥ 85% (Battery mode)
	≥ 95% (ECO mode)
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)
Display	LCD + LED
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3
OTHERS	
Operating temperature	0°C ~ 40°C
Storage temperature	-25°C ~ 55°C (without batteries)
Relative Humidity	0 ~ 95% (non-condensing)
Altitude	≤ 1000 m, derating 1% for each additional 100 m
IP rating	IP 20
Noise level at 1m	≤ 50 dB
Dimensions (W×D×H) (mm)	144×336X214
Net weight (kg)	9.5
Gross weight (kg)	10.5

Rear Panel

1. Overcurrent Protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlets
6. Fan
7. RS232
8. USB
9. EPO (optional)
10. SNMP/AS400 (optional)

