

Nextwave Giga power 15 KVA ONLINE 3ph/3ph

Features

- DSP digital control technology
- Active power factor correction (APFC), input power factor up to .99
- Output power factor 0.9
- Cold start
- Dual input
- Wide input voltage range (190 V ~ 485 V)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion mode
- Work efficiency up to 98% in ECO mode
- Auto control fan speed when loads varies
- Auto power ON/OFF according to the load capacity set by users
- Flexible battery configuration for using 14/16/18/20 pcs batteries
- Compact internal layout, miniaturized the complete unit for small footprint
- LCD+LED display, multi-functional keys operation, friendly human-machine interface
- Powerful background software for parameters configuration and online updating
- Doubling the battery charging speed, 90% capacity restored in 4 hours (standard model UPS)
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Advanced battery management (ABM), automatic floating /equalizing charge control, charger dormancy control
- Configurable switching time from battery mode to mains mode when mains power is restored, reducing the impact on power grid or generator
- Effective software and hardware protection function, powerful self-diagnostic function, abundant historical records
- Standard emergency power off (EPO)
- Standard maintenance bypass
- Standard RS232 / USB communication port
- Optional RS485 / SNMP / AS400 communication port and SMS alarms
- Optional N+X redundancy parallel up to 6 units
- Optional battery temperature compensation, EMD environmental sensors



Model	Nextwave Giga power 10kva online 3/3
Capacity	15 KVA / 13.5 kw
INPUT	
Rated voltage	360 / 380 / 400 / 415 Vac
Voltage Range	277 ~ 485 Vac (no derating);
Rated frequency	50 / 60 Hz (auto-sensing)
Frequency range	40 ~ 70 Hz
Power factor	≥ 0.99
Bypass voltage range	- 40% ~ +15% (settable)
Total harmonic distortion (THDi)	≤ 5%
OUTPUT	
Rated voltage	360 / 380 / 400 / 415 Vac (settable)
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 (Inverter)	102% ~ 125% for 10 min, 125% ~ 150% for 1 min, > 150% for 0.5 s
Overload	102% ~ 125% for 20 min, 125% ~ 150% for 2 min, > 150% for 1 s
BATTERIES	
DC voltage	Standard model: 240 Vdc; Long time model: 192 Vdc (168 / 192 / 216 / 240V optional)
Inbuilt battery (standard model)	40 × 7 Ah
Charging current	Long time model: 7 A supplied (additional 7 A is optional) Standard model: 1 A, 2 A, 3.5 A settable
Recharge time	Standard model: 90% capacity restored in 4 hours; Long time model: depend on the capacity of battery
SYSTEM	
Efficiency	≥ 93%, ECO mode 98%
Transfer time	0 ms
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)
Max. number of parallel connections	6
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)
Display	LCD + LED
Standards	EN 62040-1, EN 62040-2, EN 61000-3-12, EN 61000-3-2, EN 61000-3-11, 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
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	≤ 65 dB
Online thermal dissipation	5773 BTU/hr
Dimensions (W×D×H) (mm)	350 × 655 × 732 (H)
Net weight (kg)	155 (S)
Gross weight (kg)	170(S)

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| Rear Panel | 15.Parallel Card (optional) |
| 1. Mains Input | 16. Battery Breaker |
| 2. DC Input | |
| 3. Bypass Input | |
| 4. Output | |
| 5. Mains Input Breaker | |
| 6. Bypass Input Breaker | |
| 7. Maintenance Bypass | |
| 8. Fan | |
| 10. USB | |
| 11. EPO | |
| 11.GND | |
| 12. Battery Temperature Compensation (Optional) | |
| Intelligent Slot 1 (SNMP / AS400 / RS485 Optional) | |
| 14. Intelligent Slot 2 (Optional) | |

