NEXT WAVE
FOR ADVANCE TECHNOLOGY

Nextwave Giga power 10 KVA ONLINE 1ph/1ph

Features

- Advanced DSP and 3-level technology
- Output power factor 1.0
- Active power factor correction (APFC),
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology
- Wide input voltage range (110 ~ 288 Vac) and frequency range (40 ~ 70 Hz)
- 50 / 60 Hz frequency auto sensing
  Two modes of frequency conversion: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Dual-input design, supporting independent bypass
- Flexible battery configuration (settable 16 - 20 pcs batteries)
- Digitally controlled charger
- High charging current available (Max. 12 A)
- Charging voltage and current configured by demands.
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating /equalizing charge control, charger dormancy control, increasing battery life by 50%
- Ability to switch on the UPS with batteries
- Settable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Equipped with self-aging function
- 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
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces.
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event log for check

Model	Nextwave Giga power 10 kva online 1/1
Cabacity	10 KVA / 10 kw
INPUT	
Input wiring	Single-phase three-wire (1Φ + N + PE)
Rated voltage	208 / 220 / 230 / 240 Vac
Voltage Range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 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	
Output wiring	Single-phase three-wire (1Φ + N + PE)
Rated voltage	208 (PF=0.9) / 220 / 230 / 240 Vac
Voltage regulation	±1%
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz±0.1% Hz in battery mode
Waveform	Sinusoidal
Power factor	1
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 4% (non-linear load)
Crest factor	3:1
Overload	102% ~ 110% for 10 min, 110% ~ 125% for 1 min, 125% ~ 150% for 30 s
BATTERIES	
DC voltage	192 Vdc (192 ~ 240 Vdc settable)
Number of battery	16 pcs (16 ~ 20 settable)
Inbuilt battery (standard model)	12 V / 9 Ah×16
Charging current	Standard model: 1 A; Long time model: 5 A (default),1 ~ 5 A settable; 12 A (optional)
Recharge time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery
SYSTEM	
Efficiency	≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode
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	4
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)
Display	LCD + LED
OTHERS	
Operating temperature	0℃ ~ 40℃
Storage temperature	-25℃ ~ 55℃ (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	≤ 58 dB
Dimensions (W×D×H) (mm)	191 × 495 × 711 (S), 191 × 495 × 350 (H)
Net weight (kg)	6 2 (S) , 1 6 . 5 (H)
Gross weight (kg)	7 0 (S) , 1 8 (H)

Rear Panel

1. RS232
2. EPO
3. Parallel Port (optional)
4. USB
5. Temperature Detection (optional)
6. Intelligent Slot
7. Reserved: for manual bypass or battery breaker or outlets ect.
9. Bypass Breaker
10. Input Breaker
11. GND
12. Terminals and Cover

NEXT WAVE
www.nextwave.ps