



NT series

(1, 2, 3, 5, 8, 10 KVA)



The sine wave inverter provides stable, distortion-free AC power from a DC input source, at a selectable output voltage and frequency, for sensitive equipment which must be operated in locations where commercial AC power is not available. With a static switch option, the inverter also forms a reliable and economical part of uninterruptible power systems in either on-line or off-line mode.

This model is designed for rack mounting in 19 inch, 23 inch, or 25 inch racks and either flush front panel or centermountable, depending on the position and location of the mounting flanges.

HIGH RELIABILITY

- Full microprocessor control
- IGBT Technology
- Maximum reliability and power availability connect up to 16 units in parallel or N+1 redundancy

MAXIMUM BATTERY CARE

- Battery deep discharge protection and temperature compensating charger
- Built-in automatic and manual battery test feature

SIMPLE TO INSTALL

- Light, compact and with an attractive design, NT series inverters are easy to use and simple to install
- An LCD on the front panel allows the display of simple and intuitive information: power, energy produced, any faults, etc
- Other parameters can also be displayed including: mains voltage, the voltage of the photovoltaic modules, mains frequency, etc

PARALLEL

- Maximum 16 modules

GUARANTEED OUTPUT QUALITY

- Even with typical distorting IT loads with crest factors of 3:1
- Reliable, filtered, stabilised and regulated sinewave output with filters for atmospheric disturbance suppression

ADVANCE COMMUNICATION

- RS232 serial port
- RS485 serial port



Technical Specifications:

MODELS	NT - 100	NT - 200	NT - 300	NT - 500	NT - 800	NT - 1000
POWER	1000VA 800W	2000VA 1600W	3000VA 2400W	5000VA 4000W	8000VA 6400W	10000VA 8000W
INPUT						
Rated Voltage	48/110/220VDC				110/220VDC	220VDC
Voltage Range	40-60VDC/90-135VDC/180-270VDC				90-135VDC /180- 270VDC	180- 270VDC
BY PASS						
Voltage Range	132 - 264 Vac					
Frequency range	Selected frequency ±5% (user configurable)					
Rated Frequency	50/60 Hz					
OUTPUT						
Rated Voltage	220 - 230 - 240 Vac selectable					
Static Variation	1,5 %					
Dynamic Variation	≤ 5% in 60 ms					
Wave Form	Sinewave					
Voltage distortion with linear load	⋈ 3%					
Voltage distortion with non-linear load	⋈ 5%					
Frequency	50/60 Hz selectable					
Crest factor	3 : 1					
OVERLOAD CAPACITY						
Load ⋈ 105%	More than 1 hour					
105% ⋈ Load ⋈ 125%	10min					
125% Load ⋈ 150%	1min					
Load ⋈ 150%	60ms					
ENVIRONMENTAL						
Weight (kg)	7.5	9	10	25	26	28
Dimensions (wdh) (mm)	482x320x89			482x390x132		
Efficiency	92%			86%		
Operating Temperature	0°C - 45°C					
Relative Humidity	⋈ 95% non condensing					
Protection	Overload - short-circuit - overvoltage - undervoltage - temperature - low battery					
Compliance	EMS: IEC 61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4(EFT) IEC61000-4-5 (Surge) EMI: IEC62040-2 Class A					
Communication	RS232 + communication interface slot					
Colour	black or dark-grey					
Noise	⋈50 dBA at 1 m			⋈60 dBA at 1 m		
PARALLEL						
Parallel	Less than 16 modules					