

NETSYSTEM

Onduleur 1 kVA ~ 3 kVA ONLINE Rackable

NS9 Pro RT

1 kVA ~ 3 kVA
PF 0.9



Features

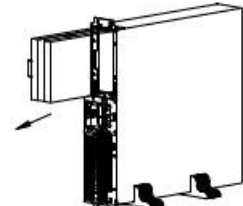
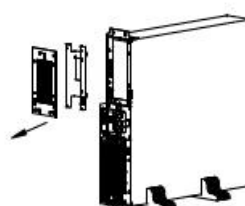
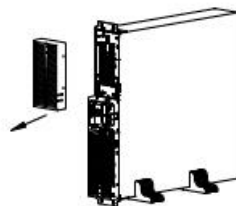
- High frequency on-line double conversion technology
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion
- 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
- Hot-swappable battery
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)

Available Options

- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, MBS (External maintenance bypass switch)

Rear Panel

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



Easy for maintenance, hot-swappable battery

Distribué par : IPSYSTEME GROUPE.

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Specifications:

Model:	NS901RTS			NS902RTS			NS903RTS	
Capacity	1 kVA / 900 W			2 kVA / 1800 W			3 kVA / 2700 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 (derating 50%)							
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 s, > 150% for 300 ms							
BATTERIES								
DC voltage	24 V (S)	36 V (S)	36 V (H)	48V (S)	72 V (S)	72 V (H)	72 V (S)	96 V (H)
Inbuilt battery	2×9 Ah	3×7 Ah	/	4×9 Ah	6×7 Ah	/	6×9 Ah	/
Charging current (max.)	1 A		6 A	1 A		6 A	1 A	6 A
Recharger time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery							
SYSTEM								
Efficiency	≥ 90% (Mains mode)			≥ 91% (Mains mode)			≥ 92% (Mains mode)	
	≥ 85% (Battery mode)			≥ 86% (Battery mode)			≥ 87% (Battery mode)	
	≥ 95% (ECO mode)			≥ 96% (ECO mode)			≥ 97% (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							
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)	440 × 368 × 88	440 × 468 × 88		440 × 528 × 88	440 × 728 × 88	440 × 468 × 88	440 × 728 × 88	440 × 468 × 88
Packaged dimensions (W×D×H) (mm)	545 × 492 × 198	545 × 592 × 198		545 × 652 × 198	545 × 852 × 201	545 × 592 × 198	545 × 852 × 201	545 × 592 × 198
Net weight(kg)	11.1	13.8	7.6	21.4	27.2	9.7	30.6	10.1
Gross weight(kg)	14.4	17.3	11.1	25.0	31.3	13.2	34.7	13.6

● Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac.
● S means standard model, H means long time model.

● All specifications are subject to change without notice.
● Custom-made specifications are acceptable.

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