



Efficiency & Economy

The new NRG PRO RT with power factor 1,0 is a double conversion true on line UPS with superior input voltage window for energy saving, ECO mode and super powerful charger. It is an ideal solution for servers, bank & industrial equipment, communication systems and other networking equipment demanding thorough protection.

Features

- Range 6-10kVA
- N+X Parallel Redundancy
- High Output Power factor = 1
- Input current harmonic: $\leq 3\%$
- On Line double conversion with DSP control
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 120-276Vac
- Wide input frequency range
- Support generator input
- Eco mode operation for energy saving
- Self-testing when UPS startup
- Options: SNMP card/Relay card/ Parallel card
- Cold start



Model		NRG PRO RT 6000	NRG PRO RT 10000
Capacity (VA/W)		6000VA/6000W	10000VA/10000W
Input	Rated Voltage	208/220/230/240VAC	
	Voltage Range	110-286VAC	
	Frequency Range	40Hz - 70Hz (auto sensing)	
	Power Factor	≥ 0.99	
	ECO Range	Same as bypass	
	Harmonic Distortion (THDi)	≤3% (100% linear load, input THDV ≤1%) / ≤5% (100% non linear load, input THDV ≤1%)	
	Bypass Voltage Range	Max voltage: 220V: +25% (optional +10%,+15%,+20%), Max voltage: 230Vac: +20% (optional +10%,+15%) Max voltage: 240V: +15% (optional +10%) Min voltage: -45% (optional -20%, -30%)	
	Bypass frequency Range	+/-1%, +/-2%, +/-4%, +/-5%, +/-10%	
	Generator input	support	
Output	Rated Voltage	208/220/230/240VAC	
	Power Factor	1	
	Voltage Regulation	±1%	
	Crest Factor	3:1	
	Frequency	Utility Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional)
		Battery Mode	50±0.1%Hz
	THDv	≤2%	
	Efficiency	93% / Eco mode : 98%	
	Communication Interface	RS232, USB, SNMP Card (optional), Relay card (optional), Parallel card (optional)	
Protection	Transfer Time	Mains to battery: 0ms; Mains to bypass: 0ms	
	Overload	Line Mode	Load:105% - 110%: 10min, 110% - 130%: 1min, >=130% 5sec
		Bypass Mode	40A (Breaker) 80A (Breaker)
	Self Diagnostics	Upon power on and software control	
	Short Circuit	Hold whole system	
	Overheat	Line mode: Switch to bypass; Battery Mode: Shut down UPS immediately	
	Battery Low	Alarm and Switch off	
Battery	Battery Voltage - Capacity	+/-96/108/120Vdc (optional) - 12V/7AH or 12V/9AH	
	Typical recharging time	6-8 hours (to 90% of full capacity)	
	Charging current	1A (standard unit); Long run unit Max current 10A (charging current can be set according to battery capacity installed)	
Operating Environment	Temperature	0C ~ 40C	
	Humidity	0~95% non condensing	
	Storage temperature	-25C ~ 55C	
	Altitude / Noise	< 1500m / <55dB (at 1 meter)	
Physical	Unit Dimension	440 × 625 × 86,5 (WxDxH)mm	
	Unit Weight	13Kg	15Kg
	Battery Pack Dimension	443 × 680 × 131 (WxDxH)mm	
	Battery Pack Weight	58Kg	67Kg
Alarms	Audible & Visual	Line Failure, Battery Low, Overload, System Fault	
	Status LED & LCD	Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS fault	
Display	LCD Display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery voltage, Inner Temperature & Remaining Battery Backup Time	
	Safety	CE, EN/IEC 62040-1, EN/IEC 60950-1	
Industry Standard	EMC	IEC/EN62040-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8	