



## FRONT VIEW

The NRG PRO RT II features on line double conversion technology and rack/tower convertible design. It has N+1 parallel redundancy, high input & output power factors and is an ideal solution for servers, bank & industrial equipment, communication systems and other networking equipment demanding thorough protection.



## FEATURES

- Range: 6-10kVA
- On Line- Double conversion (PFC)
- Graphic LCD Display with Multifunction Parameter Settings
- Efficiency up to 93,5%
- Hot Swappable battery
- N+X Parallel Redundancy
- Application Rack & Tower
- Full digital control (DSP)
- High Output Power factor at 0,9
- Support Economic Operation Mode (ECO)
- Low Input Current Distortion
- Communication Software
- Cold Start (DC)
- Fan Speed Control
- Settable battery voltage & charge current
- Green concept design with superior input voltage window for energy saving
- Optional powerful charger & matching battery pack
- Common Battery when UPS is in Parallel mode

Model		NRG PRO RT II 6000	NRG PRO RT II 10000	
Capacity (VA/W)		6000VA/5400W	10000VA/9000W	
Input	Phase	1Phase 2Wires & Ground or 3phase 4Wires & Ground		
	Rated Voltage	380/400/415VAC or 220/230/240VAC		
	Voltage Range	208-478VAC or 120-276VAC		
	Frequency Range	45-55Hz / 55-66Hz		
	Power Factor	≥0.99		
	ECO Range	Same as bypass		
	Bypass Voltage Range	220Vac Max: (10%,15%,20% or 25%) Default 25%, 230Vac Max: (10%,15% or 20%) Default 20%, 240Vac Max:(10% or 15%) Default: 15%, Min : 20%, 30% or 45%, Default :45%		
	Current harmonic	≤ 3% at 100% linear load ≤5% at 100% non-linear load		
	Generator input	support		
Output	Phase	Single phase 2 Wires & Ground		
	Rated Voltage	220/230/240VAC		
	Power Factor	0.9		
	Voltage Regulation	±1%		
	Frequency	Utility Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional)	
		Battery Mode	50±0.1%Hz	
	Crest Factor	3:1		
	THDi	≤2% with linear load, ≤5% with non linear load,		
	Efficiency	Up to 93,5%		
	Waveform	Pure sinewave		
Protection	Overload	AC Mode	Load:105-110%: 1hour, 110-125%: 10min, 125-150%:1min, ≥150%:200ms then transfer to bypass	
		Battery Mode	Load: 105-110%:1hour, 110-125%:10min, 125-150%: 1min, ≥150%:200ms then shut down UPS	
		Bypass Mode	40A (Input Breaker)   60A (Input Breaker)	
	Short Circuit	Hold whole system		
	Overheat	Line mode: Switch to bypass; Battery Mode: Shut down UPS immediately		
	Battery Low	Alarm and Switch off		
	Noise suppression	Complies with EN60664-1		
Battery	Battery configuration	12V/7AH or 12V/9AH (max. 20pcs)		
	Type	Maintenance Free High-Rate Sealed Lead Acid battery		
	Backup Time	10 min Typical autonomy, Estimated remaining time displayed on the LCD		
	Communication Interface	USB, Dry Contact, Parallel, Communication slot		
Operating Environment	Temperature	0C ~ 40C		
	Humidity	0~95% non condensing		
	Storage temperature	25C ~ 55C		
	Altitude / Noise	< 1500m / <55dB (at 1 meter)		
Other	Unit Dimension(WxDxH)mm	443 × 580 × 131 (3U)		
	Unit Weight	23Kg (1:1), 28Kg (3:1)	25Kg (1:1), 30Kg (3:1)	
	Battery Bank Dimension	443 × 580 × 131 (3U)		
	Battery Bank Weight	58Kg	67Kg	
Alarms	Audible & Visual	Line Failure, Battery Low, Overload, System Failure		
Display	Status LED & LCD	Line mode, Backup mode, Eco mode, Bypass mode, Battery low, Battery bad, Overload & UPS fault		
	Reading On the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery voltage, Inner Temperature & Remaining Battery Backup Time		
Industry Standard		CE, EN/IEC 62040-2, EN/IEC 62040-1-1		