



## Efficiency & Economy

The new NRP 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 to your computer center, network, communication system, automatic control or other critical system.

## Features

- True Online- Double conversion (PFC) with DSP
- Application Rack & Tower
- High Output Power factor at 1,0
- Wide input voltage range: 110-300VAC
- Input power factor 0,99 with PFC
- Emergency power off (EPO)
- Economic Operation Mode (ECO)
- Cold Start (DC)
- Support generator input
- Hot-Swappable battery
- Up to 92% High Efficiency models
- Matching battery pack & super powerful charger
- Wide input voltage range for the harshest environment
- Power shedding may turn off uncritical load in battery backup
- Multiple communication interface: RS232 (USB/EPO/Relay card/SNMP card optional)
- Mimic LCD Display with multifunction Parameter Settings & operational status



Battery cabinet  
(Optional)



Advanced  
Touch Screen



The LCD panel can  
be rotated

# SPECIFICATIONS

Model		NRG PRO RT 1000	NRG PRO RT 1500	NRG PRO RT 2000	NRG PRO RT 3000	
Capacity (VA/W)		1000VA/1000W	1500VA/1500W	2000VA/2000W	3000VA/3000W	
Input	Phase	Single phase & Ground				
	Rated Voltage	200/208/220/230/240VAC				
	Voltage Range	<b>Low line transfer:</b> 160Vac±5% @100%-80% load; 140Vac±5% @80%-70% load; 120Vac±5% @70%-60% load; 110Vac±5% @60%-0% load; (Ambient Temp. <35C) <b>Low line comeback:</b> 175Vac±5% @100%-80% load; 155Vac±5% @80%-70% load; 135Vac±5% @70%-60% load; 125Vac±5% @60%-0% load; (Ambient Temp. <35C) <b>High line transfer:</b> 300Vac ±5% <b>High line comeback:</b> 290Vac ±5%				
	Frequency Range	40Hz~70Hz (Auto sensing)				
	Power Factor	≥0.99				
	ECO Range	Same as bypass				
	Bypass Voltage Range	Bypass high voltage point 230-264: setting the high voltage point in LCD from 230Vac to 264Vac. (Default: 264Vac) Bypass low voltage point 170-220: setting the low voltage point in LCD from 170Vac to 220Vac. (Default: 170Vac)				
	Generator input	support				
	Output	Phase	Single phase & Ground			
Rated Voltage		200/208/220/230/240VAC				
Power Factor		1				
Voltage Regulation		±1%				
Frequency		Utility Mode	47-53Hz (for 50Hz) or 57-63Hz (for 60Hz)			
		Battery Mode	50/60Hz±0.1Hz			
Crest Factor		3:1				
THDv		≤3% with linear load, ≤6% with non linear load				
Efficiency AC Mode (full load)		89%	91%	92%		
Waveform		Pure sinewave				
Protection	Overload	AC Mode	<b>Ambient Temp.&lt;35C</b> 105%~110%: UPS transfer to bypass after 10minutes ; 110%~130%: after 1min ; 130%~150%: after 5 sec ; >150%:UPS immediately			
		Battery Mode	<b>35C&lt;Ambient Temp.&lt;40C</b> 105%~110%: UPS transfer to bypass after 1minute when the utility is normal ; 110%~130%: after 5 seconds ; >130%:UPS immediately			
		Bypass Mode	10A (Input breaker)	16A (Input breaker)	20A(Input breaker)	
	Overheat		Line mode: Switch to bypass; Battery Mode: Shut down UPS immediately			
	Battery Low		Alarm and Switch off			
	Self-diagnostics		Upon power on and software control			
	EPO (Optional)		Shut down UPS immediately			
	Battery	Battery configuration		12V/7AH or 12V/9AH		
Type		Maintenance Free High-Rate Sealed Lead Acid battery				
Backup Time		10 min Typical autonomy				
Sockets		Schuko / IEC 320				
Communication Interface		RS 232 or USB port, USB card, SNMP card, Dry contact card				
Operating Environment	Temperature		0C~ 40C			
	Humidity		20 ~90% non condensing			
	Storage temperature		-25C~ 55C			
Other	Unit Dimension(WxDxH)mm		440 × 325 × 86.5	440 × 460 × 86.5	440 × 460 × 86.5	440×600x86.5
	Weight		11.3Kg	16.5Kg	19.5Kg	26kg
Industry Standard		CE				