

## PROTECTION & UNINTERRUPTIBLE POWER FOR SERVERS & SENSITIVE ELECTRONIC EQUIPMENT



NRG PRO is featured with DSP-controlled technology, superior input voltage window for energy saving, eco mode and smart fan-speed control. It is an ideal solution for the protection, support and autonomy of critical systems.

### FEATURES

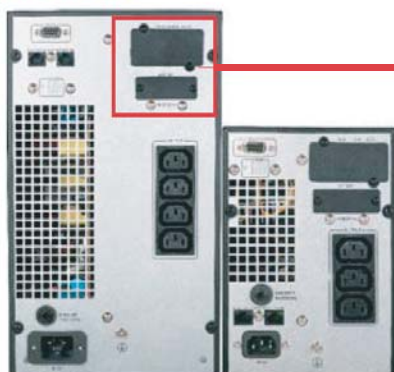
#### FEATURES:

- On Line- Double conversion (PFC)
- Full digital control (DSP)
- Economic Operation Mode (ECO)
- Wide input voltage range
- Self-testing when UPS startup
- Cold Start (DC)
- Multifunctional protection
- Output bypass settable
- Supports generator Input
- Input neutral and live wires reverse detection
- Charger can be extended
- USB port (optional), USB is of automatic priority when USB & RS232 work together
- Mimic LCD display with multifunction parameter settings & operational status

### FRONT VIEW



### REAR PANEL



#### Intelligent slot optional



#### LCD display





Model		NRG PRO 1000	NRG PRO 2000	NRG PRO 3000	
Capacity (VA/W)		1000VA/800W	2000VA/1600W	3000VA/2400W	
Input	Phase	Single phase & Ground			
	Rated Voltage	200/208/220/230/240VAC			
	Voltage Range	115-295VAC			
	Frequency Range	45Hz~55Hz±0.5Hz or 55Hz~65Hz±0.5Hz (Auto sensing)			
	Power Factor	≥ 0.98			
	Bypass Voltage Range	Max voltage: +15% (optional +5%, +10%, +25%) Min voltage: -45% (optional -20%, -30%) Frequency protection range: +/-10%			
	Current harmonic	≤ 7% at 100% non-linear load			
Output	Phase	Single phase & Ground			
	Rated Voltage	200/208/220/230/240VAC			
	Power Factor	0.8			
	Voltage Regulation	±2%			
	Frequency	Utility Mode	50Hz or 60Hz (synchronized to mains)		
		Battery Mode	50/60Hz±0.02Hz		
	Crest Factor	3:1			
	Transfer time	(Utility<->Battery)= 0ms			
	Overload	Bat. Mode	Load≤100%-150%: last 30S, ≥150%: last 300ms then shutdown UPS immediately		
		AC Mode	Load≤100%-150%: last 30S, ≥150%: last 300ms then shutdown UPS immediately		
		Bypass Mode	Load > 130%: 60S then shut down output		
	Efficiency (AC/ECO mode)	>89% / >94%	>90% / >94%		
THD	≤ 3% (100% linear load) ≤ 5% (100% non linear load)				
ECO Efficiency	≥ 94%				
Battery	Voltage	24Vdc	48Vdc	72Vdc	
	Battery configuration	12V/7AH or 12V/9AH			
	Recharge time	5 hours (up to 90%)			
	Backup Time	10 min Typical autonomy			
Communication Interface	RS232, optional (USB port, USB card, SNMP card, Dry contact card)				
Output	IEC 320 / Schuko				
Operating Environment	Temperature	0C~ 40C			
	Humidity	0~95% non condensing			
	Storage temperature	25C~ 55C			
	Altitude	< 1500m			
Other	Unit Dimension(WxDxH)mm	144 × 361 × 215	191 × 428 × 337		
	Weight (kg)	10,2	19,5	24	
Industry Standard	CE				