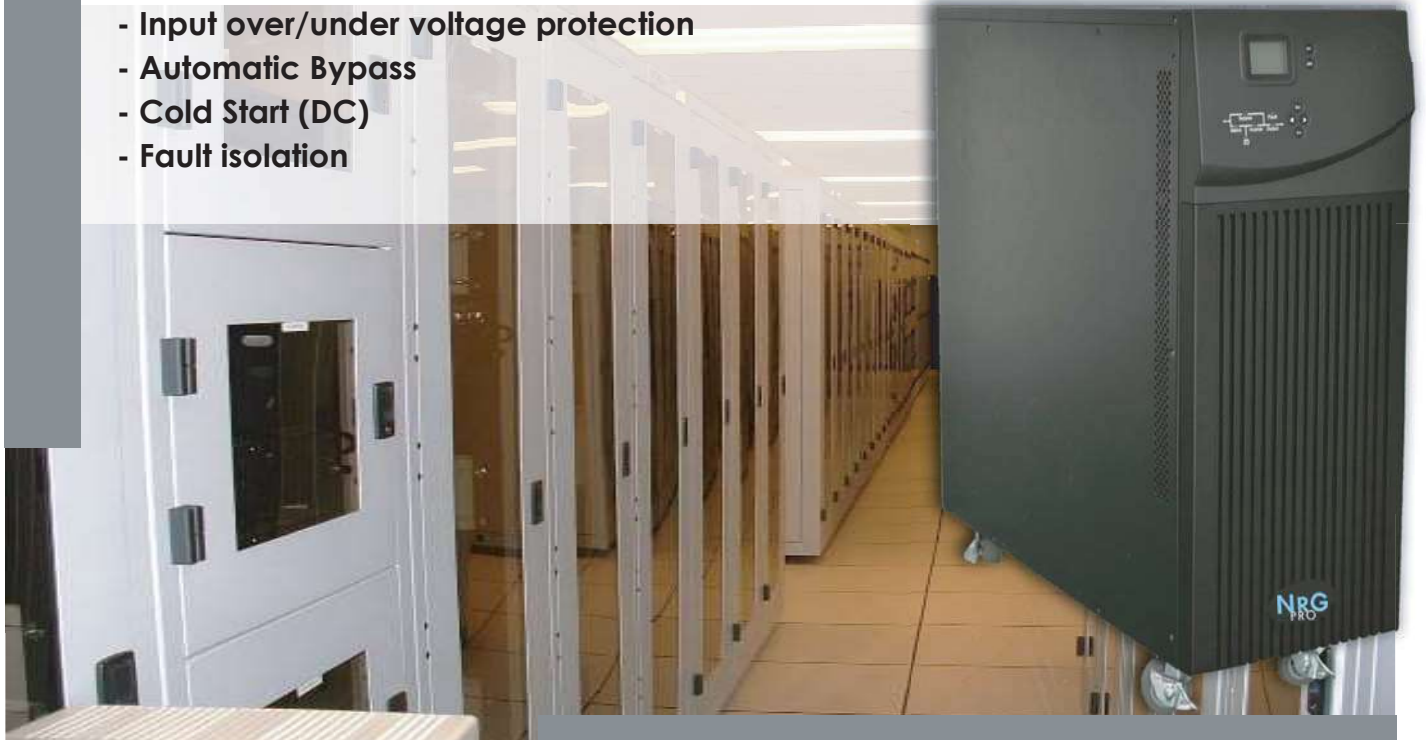


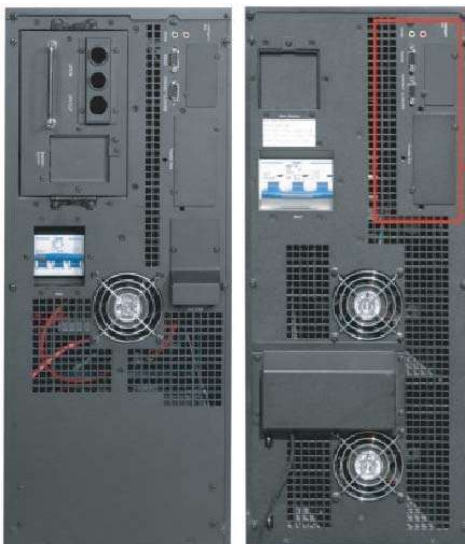
## 10-20kVA 3/1

### FEATURES

- True On Line Double conversion with DSP control & PFC Technology
- Graphic LCD Display with multifunction parameter settings
- Charging/Rectifier/Inverter fully digital control technology
- Parallel Redundancy \*4
- Economic Operation Mode (ECO)
- Wide input voltage range
- Wide Input frequency range
- Self Testing when UPS startup
- Input over/under voltage protection
- Automatic Bypass
- Cold Start (DC)
- Fault isolation



REAR PANEL



10kVA

15/20kVA



Parallel module



Centralized monitoring card



Relay Card



Dismountable MBM module





## SPECIFICATIONS

## NRG PRO

INPUT	Capacity	10kVA/9kW	15kVA/13,5kW	20kVA/18kW
	Phase	3phase 5wires		
	Rated Voltage	220/230/240VAC		
	Voltage Range	208-478VAC		
	Frequency range	45-55Hz (50Hz) / 55-65Hz (60Hz)		
	Power Factor	≥0,99		
	Bypass Voltage Range	220V: Max:+25%(optional +10%, +15%, +20%) / 230V: Max:+20%(optional +10%, +15%) / 240V: +15% (+10% optional) Min voltage:-45% (optional -20%, -30%)		
	ECO Range	same as the bypass		

OUTPUT	Phase	Single phase & Ground
	Rated Voltage	220/230/240 VAC
	Power Factor	0,9
	Voltage Percision	+/-1%
	Output Frequency	(50/60Hz +/-0,1%)Hz (Battery mode)
	Crest Factor	3:1
	Transfer Time	0ms
	Overload Capacity	Load ≤ 110%, 60min, ≤ 125%, last 10min, ≤ 150% last 1min, >150% switch to bypass
THD	≤ 1,5%	
Efficiency	ECO mode ≥98%, Normal mode ≥90%(10kVA) >92% (15-20kVA)	

BATTERY	Voltage	192/216/240VDC Configurable from LCD panel
	Battery Charger	6A
	Backup Time	Depending on external battery configuration

### COMMUNICATION INTERFACE

USB, Optical coupler dry contact, RS485, SNMP card (optional),  
Parallel card (optional), Centralized monitoring card

OPERATIONAL ENVIRONMENT	Temperature	0-40C		
	Humidity	0-95% non condensing		
	Storage Temperature	-25C - 55C		
	Altitude	upto 1500m		

OTHER	Weight	35 Kg	45 Kg	45 Kg
	Dimensions (WxDxH) mm	250x502x616	250x502x616	250x502x616
	Industry Standard	CE, EN/IEC 62040-2, EN/IEC 62040-1-1		