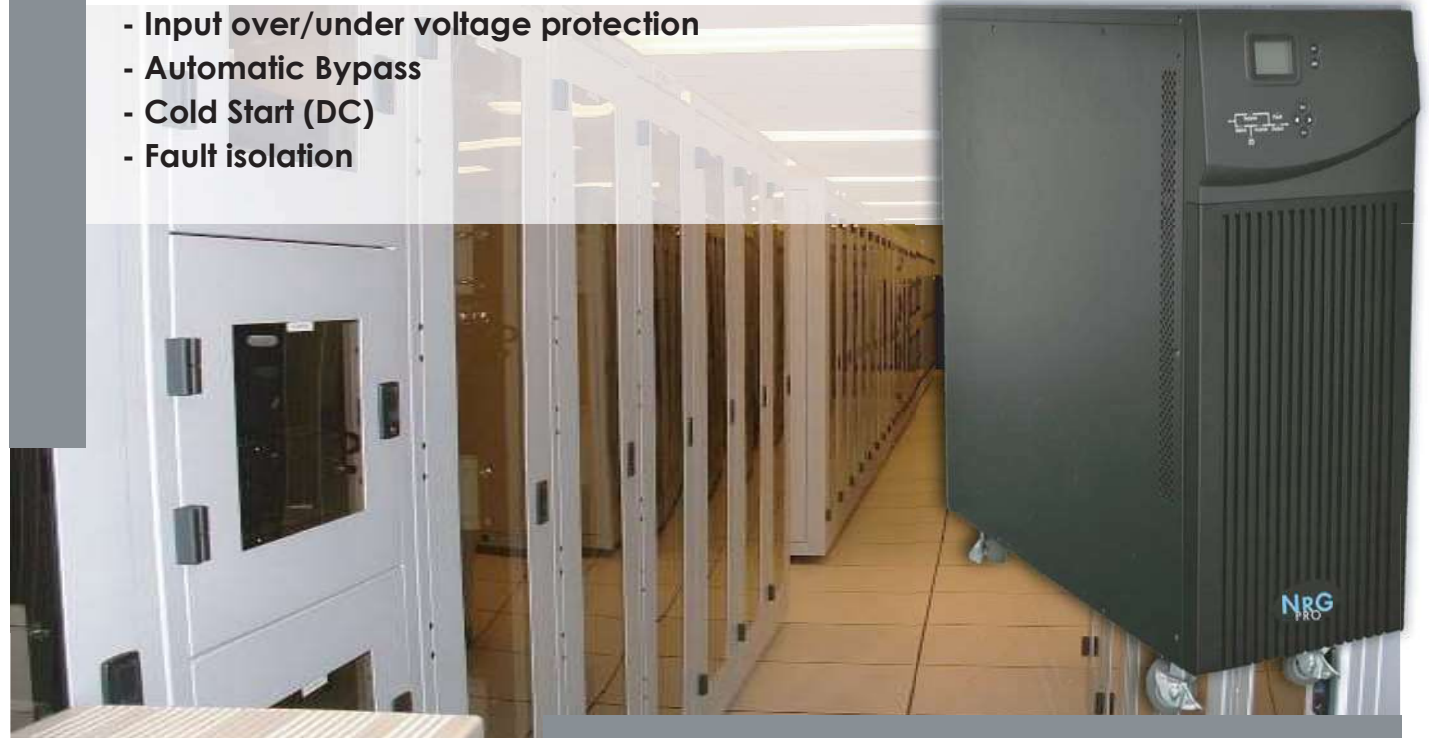


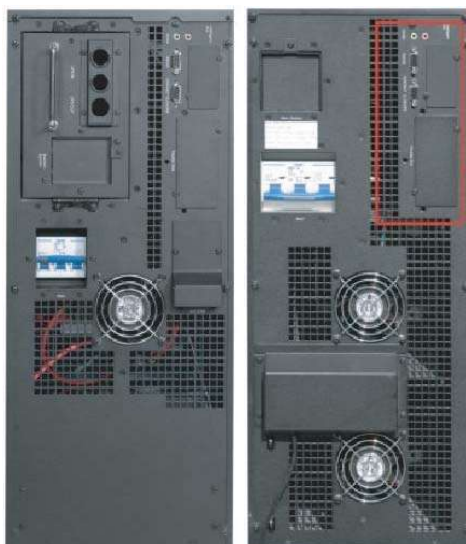
10-20kVA 3/1

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	$\geq 0,99$		
	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 $\leq 110\%$, 60min, $\leq 125\%$, last 10min, $\leq 150\%$ last 1min, >150% switch to bypass
	THD	$\leq 1,5\%$
	Efficiency	ECO mode $\geq 98\%$, Normal mode $\geq 90\%$ (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		