

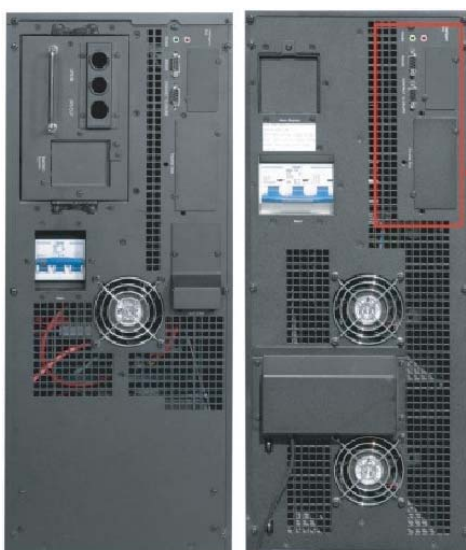
10-20kVA 3/1

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: 304VAC-478VAC
- Wide Input frequency range: 40Hz-70Hz
- Input current harmonic:5%
- Self Testing when UPS startup
- Input over/under voltage protection
- Automatic Bypass
- Cold Start (DC)
- Fault isolation

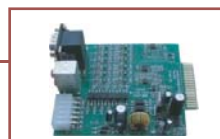


REAR PANEL

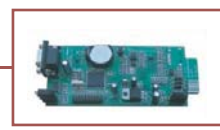


10kVA

15/20kVA



Parallel module



Centralized monitoring card



Relay Card



SNMP



Dismountable MBM module



SPECIFICATIONS

NRG PRO

INPUT	Capacity	10kVA/8kW	15kVA/12kW	20kVA/16kW
	Phase	Single phase 4wires & Ground		
	Rated Voltage	380/400VAC		
	Voltage Range	304-478VAC		
	Frequency range	40-70Hz		
	Power Factor	≥0,99		
	Bypass Voltage Range	Max voltage:+15%(optional +5%, +10%, +25%) Min voltage:-45% (optional -20%, -30%) Frequency protection range: +/-10%		
	ECO Range	same as the bypass		
OUTPUT	Phase	Single phase & Ground		
	Rated Voltage	220/230VAC		
	Power Factor	0,8		
	Voltage Percision	+/-2%		
	Output Frequency	(50/60Hz +/-0,2%)Hz (Battery mode)		
	Crest Factor	3:1		
	Transfer Time	0ms		
	Overload Capacity	Load ≤ 110%, 60min, ≤ 125%, last 10min, ≤ 150% last 1min, ≥ 150%, shutdown UPS immediatly		
THD	≤ 2% linear ≤ 5% non linear			
Efficiency	ECO mode ≥ 98%, Normal mode ≥ 90%			
BATTERY	Voltage	192/216/240VDC Configurable from LCD panel		
	Battery Charger	6A		
	Backup Time	Depending on external battery configuration		
COMMUNICATION INTERFACE		RS232, 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	40 Kg	45 Kg	45 Kg
	Dimensions (WxDxH) mm	250x590x655	250x590x655	250x590x655
	Industry Standard	CE, EN/IEC 62040-2, EN/IEC 62040-1-1		