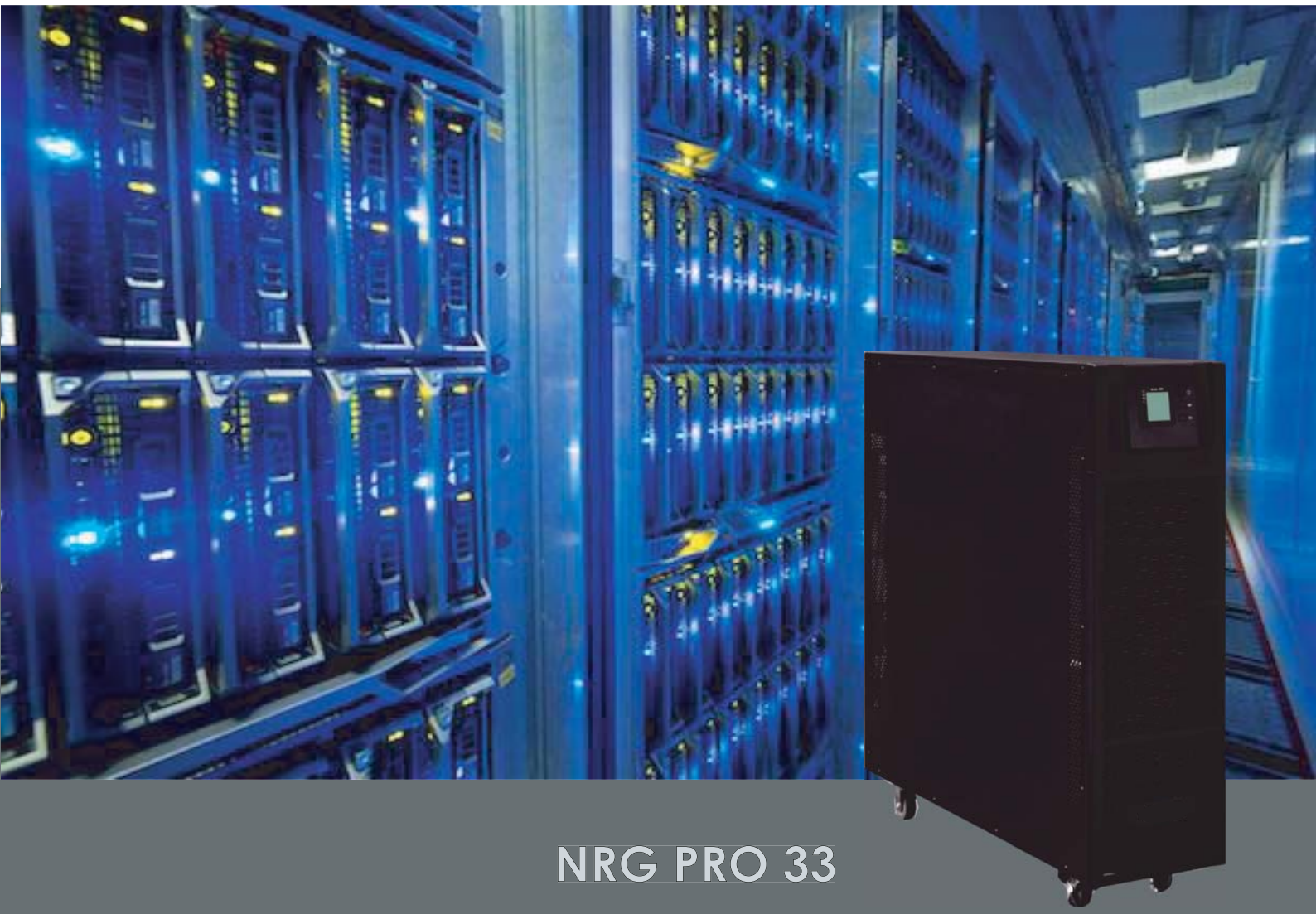


NRG PRO 33

3phase UPS 10-40 kVA

NRG PRO

Small *footprint*

NRG PRO 33 with reduced footprint and weight offers improved autonomy with built-in batteries. To extend the UPS runtime, we also provide a series of matching battery pack with powerful charger built-in.

Investment & operational cost

Low

NRG PRO 33 is an On Line, Double Conversion UPS system which provides advanced characteristics and low cost of ownership. The UPS offers high and stable on line efficiency (94,5%) and high input PF ⩾ 0,99. Furthermore it features low input current THD (⩽3%).

NRG PRO Three-phase UPS system is ideal solution for server rooms, networks, telecommunications, infrastructures, banking and industrial applications.

Features

- DC Start
- Full Digital Control (DSP)
- Output Power Factor : 0.9
- ECO function
- PFC Technology
- LCD/LED double display
- Common battery group
- Intelligent charging management

- Remote emergency power off (EPO)
- Wide input frequency range: 45~66Hz
- Wide input voltage range : 208~478 Vac
- The output can meet 100% unbalanced loads
- Charging/Rectifier/Inverter fully digital control technology
- Communication port: USB/RS232/RS485/Parallel port/dry contact

NRG PRO

Online Double Conversion with DSP Control

With the advanced DSP Control technology, NRG PRO33 parallel redundancy UPS not only corrects power distrubances in Mains but also achieves higher reliability and greater immunity from Utility power problems to the load connected.

Common battery & Programmable battery voltage

When several UPS works in parallel mode, these UPS may share one battery pack only. What is more, the battery voltage can be programmed from +/-96Vdc to +/-240Vdc.

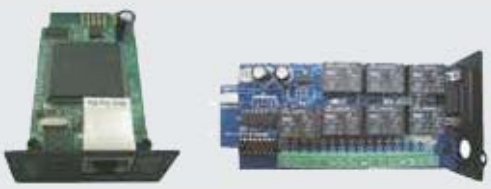
Parallel redundancy up to 4 units

To increase the total capacity of the UPS system or to configure a parallel redundant system, you may simply connect parallel cable in ring loop. Up to 4 UPS systems may be connected in parallel to get maximum power capacity.

Control Panel

Graphic LCD Display with Multifunction Parameter Settings

With graphic LCD display, it is easy to get all precious read out data about the status of the UPS. You can also easily set various parameters from the screen.



Versatile Communication Interfaces Available

The UPS is equipped with RS485, USB, RS232 and additional communication slot that can be connected with SNMP card, dry contact board for various application demands.

Technical Specifications

NRG PRO

GENERAL DATA	10 kVA	15 kVA	20 kVA	30kVA	40kVA
Output power max.	9 kW	13.5 kW	18 kW	27kW	36kW
Output power factor	0.9				
Technology	Transformerless on line with DSP control				
Parallel configuration	Up to 4 units in parallel configuration				
INPUT					
Input voltage	380 /400 /415 Vac (3ph + N + PE)				
Voltage range	208~478Vac				323~478Vac
THDi	⩽3% (100% non linear load)				
Frequency	50/60 Hz +/- 10%				
Power factor	0.99				
OUTPUT					
Output voltage	380 /400 /415 Vac (3ph + N + PE)				
Voltage regulation	+/-1%				
Frequency	50 / 60 Hz +/-0,1% self synonize, +/-1% mains-syninize				
Overload capability	Line Mode: Load<110%:60 min. / Load<125%:10 min. / Load<150%:1 min. / Load>150% to bypass Batt Mode: Load<110%:10 min. / Load<125%:1 min. / Load<150%:10 sec / Load>150% shuts down				
THDv	⩽2% (linear load), ⩽5% (non-linear load)				
Crest factor	3 : 1				
EFFICIENCY					
Efficiency	Up to 93,5%				Up to 94,5%
ENVIRONMENT					
Storage temperature	-25 up to +55°C				
Operating environment	0 up to +40°C (from 20-25°C for maximum battery life) / up to 95% humidity without condensation				
Altitude	⩽2000 m				
Noise level	<55dB				<58dB
BATTERY					
Battery type (internal)	7 Ah /9 Ah, VRLA AGM / GEL				
Built in Charger	1,35A	2,70A		4A	
COMMUNICATIONS					
Display	LCD & LED display				
Communication	SNMP (optional), USB, RS232, RS485, Relay card (optional)				
Remote monitoring	SNMPView, Remote monitoring panel				
Dry contacts & Custom inputs	Programmable 3 dry contacts, generator, remote EPO, remote start/stop				
PHYSICAL CHARACTERISTICS					
Weight (w/o batteries)	95kg	147kg		223kg	
Dimensions W x H x D (mm)	250 x 868 x 828				
STANDARDS					
Safety / Degree of protection	IEC/EN 62040-1, IEC/EN 60950-1				
EMC	IEC/EN 62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8				
Product certification	CE				

*Technical specifications are subject to change without notice.