

FOR USE WITH LARGE INDUSTRIAL SYSTEMS

## > VANGUARD LT THREE-PHASE 30 & 40KVA UPS SERIES

The NXT Power Vanguard LT 30 & 40kVA Three-Phase UPS is a true online double conversion UPS designed to address your needs. This system provides maximized uptime with clean, uninterrupted power, boasting industry-leading efficiency, durability, and performance.

### POWER QUALITY YOU CAN RELY ON

Designed for mission-critical applications with high overload and crest factor, the NXT Power Vanguard LT 30 & 40kVA Three-Phase UPS provides reliable, uninterrupted power. This industry-leading UPS is built to power sophisticated computer loads—systems with high inrush current and high crest factors—which eliminates oversizing and reduces operating costs. Its efficient design also ensures low operating costs and utilizing optimal space within any environment.



### SUITABLE FOR USE WITH:

- > Industrial Microprocessor Based Equipment
- > Clinical Diagnostics Application
- > Sophisticated computer loads

## > SUPERIOR POWER PROTECTION BENEFITS & FEATURES

- Help your customers protect their electronic systems and ensure uninterrupted uptime all day, every day
- Enjoy peace of mind knowing equipment is protected from problems due to power outages, spikes and transients, and more
- 7 inch touch LCD with IoT functions.
- High Input Power Factor >0.99 & Outout Power Factor
- Built-in Full Metal Battery trays , with internal batteries
- 3 Level IGBT Technology
- NXT LEVEL Worldclass Service & Support Included
- All models include NXT Power two-year warranty on batteries, parts and labor
- UL Listed

# SPECIFICATIONS

## NXT POWER VANGUARD LT 30 & 40KVA 3-PHASE UPS

Main input	Input	3P5W (3P+N+PE)
	Rated Voltage	200/208/220VAC(L-L)
	Rated Frequency	50/60Hz
	Power Factor	>0.99
	Current distortion	THDi<3% (100% Linear load )
	Voltage range	166 - 261VAC(L-L) @ 100% rated kW load; 125 - 166VAC (L-L) @ 75% rated kW load
	Frequency range	40-70Hz

Battery	Rated Voltage	±120VDC	
	Internal Battery Type	VRLA, 12VDC/7-9Ah	
	Quantity	Internal 30kva	120 pcs = 10 mins of runtime   160 pcs = 15 mins of runtime
		Internal 40kva	120 pcs = 6 mins of runtime   160pcs = 11 mins of runtime
	Charging capacity	20%*Pout	
Charging voltage regulation	±1%		

Bypass	Rated voltage	200/208/220VAC(L-L)
	Voltage range	Range: +25% / - 40%, Settable
	Frequency range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz

Inverter	Rated voltage	200/208/220VAC(L-L)
	Rated Frequency	50/60Hz
	Power Factor	1
	Voltage regulation	±1.0%
	Step load response	<5% (20% - 80% - 20% step load)
	Recovery time	< 20ms
	THDv	<1% ( linear load ), <5% ( non-linear load according to IEC 62040-3)
	Overload	110% - 1 hour; 125% - 10 mins; 150% - 1min; >150% - 200ms
	Frequency regulation	0.1%
	Bypass sync window	±0.5Hz - ±5Hz, Settable in 0.5 Hz increments
	Slew rate	0.5Hz/S - 3Hz/S, selectable
	Crest factor	3:1
Phase Accuracy	120° ±0.5°	

System	Efficiency	Normal Mode up to 94%; Battery Mode up to 94%
	Display	LED + 7 inch touch LCD
	Certification- Safety	IEC62040- 1, IEC60950- 1
	Certification- EMS	IEC62040- 2; IEC61000- 4- 2(ESD); IEC61000- 4- 3(RS); IEC61000- 4- 4 (EFT); IEC61000- 4- 5 (Surge)
	IP degree	IP20
	Configuration	USB, RS232, RS485, Dry contact, Air filter
	Option	SNMP card, AS400 card, Parallel kit, LBS, Cold start
Environment	0-40°C (operation) ; -25°C-70°C (storage) , 0-95% (Humidity, non-condensing)	

Dimensions (W*D*H)	Inches (mm)	19.75 x 37.50 x 51.25 (501.65 x 952.50 x 1301.75)
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Unit Weight	Lbs (Kg)	Without batteries: 30 kVA = 441 lbs (200.03)	Without batteries: 40 kVA = 441 lbs (200.03)
		120 Batteries: 30 kVA = 1071 lbs (485.79)	120 Batteries: 40 kVA = 1071 lbs (485.79)
		160 Batteries: 30 kVA = 1281 lbs (581.05)	160 Batteries: 40 kVA = 1281 lbs (581.05)