

FOR USE WITH SYSTEMS WITH HIGH INRUSH CURRENT

> VANGUARD XL THREE-PHASE UPS SERIES LINE

The NXT Power Vanguard XL Three-Phase UPS is a true online double conversion UPS designed to address your needs. This system provides maximized uptime with 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 XL Three-Phase UPS provides reliable, uninterrupted power. This UPS with industry-leading performance characteristics is built to power 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:

- > Data Systems
- > Advanced Building Infrastructures
- > 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
- Product line ranges from 80, 100, 135, 160, 200 kVA
- 7 inch touch LCD
- High Input Power Factor >0.99
- Output Power Factor of 1.0
- 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
- Systems included SNMP communication compatibility

VANGUARD XL THREE-PHASE SPECIFICATIONS



80, 100, 135, 160, 200 kVA

Main Input	Input	3P4 Delta (3P+G)	
	Rate Voltage	480VAC Delta	
	Rate Freq.	50/60Hz	
	Input PF	>0.99	
	Current distortion	THDi<3% (100% Linear load)	
	Voltage range	408 to 528	
	Freq. range	40-72Hz	

Battery	Rate voltage	480 VDC	
	Model	External Battery Cabinet	
		Caontact Factory	
	Quantity	External BAT	40 (minimum)

Bypass	Rate voltage	480 VAC 3-Phase Delta	
	Voltage range	+/- 10%	
	Frequency range	+/- 4 Hz	

Inverter	Rate voltage	480 VAC(L-L)	
	Rate Freq.	50/60Hz	
	Output PF	1	
	Voltage accuracy	±1.0%	
	Load response	<5% (20% - 80% - 20% step load)	
	Recovery time	< 20ms (0% - 100% -0% step load)	
	OutputTHDu	<1% (linear load) ,<5% (non-linear load)	
	Overload	110%,10 mins; 125%,1 mins; 150%,10 seconds; >150%,300ms	
	Frequency accuracy	0.1%	
	Synchronize window	±3Hz	
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S	
	Crest factor	3:1	
	Phase Accuracy	120°±0.5°	

System	Efficiency	Normal Mode up to 97%; Battery Mode up to 96%	
	Display	LED + LCD	
	Certification- Safety	UL 1778	
	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, SNMP	
	Environment	0-40°C (operation) ; -25°C-70°C (storage) , 0-95% (Humidity, non-condensing)	

Dimension (W*D*H) mm & in	H / W / D	2000 x 600 x 1000 / 78.74 x 23.62 x 39.37
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Weight kg & lbs	Inverter section	317 & 700 (est)
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Statement: The products will continue to be innovative and optimized, which may lead to asynchronized updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.



DELIVERING ULTIMATE POWER PROTECTION

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