

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 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 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
- Outout 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

**NXT POWER®**

**80, 100, 135, 160, 200 kVA**

<b>Main Input</b>	Input	3P4W Delta (3P+PE)
	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
<b>Battery</b>	Rate voltage	480 VDC
	Model	External Battery Cabinet
		Caontact Factory
	Quantity	40 (minimum)
<b>Bypass</b>	Rate voltage	480 VAC 3-Phase Delta
	Voltage range	+/- 10%
	Frequency range	+/- 4 Hz
<b>Inverter</b>	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%,1mins; 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°
<b>System</b>	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)
<b>Dimension (W*D*H) mm &amp; in</b>	H / W / D	2000 x 600 x 1000 / 78.74 x 23.62 x 39.37
<b>Weight kg &amp; lbs</b>	Inverter section	317 & 700 (est)

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