

FOR USE WITH SYSTEMS WITHIN MISSION-CRITICAL ENVIRONMENTS

> VANGUARD LT THREE-PHASE 10 & 20KVA UPS SERIES

The NXT Power Vanguard LT 10 & 20kVA 3-Phase UPS is designed to provide reliable power protection for mission-critical operations. Built for environments such as data centers, large network infrastructures, and light industrial applications, the Vanguard LT ensures stable, continuous power to keep essential systems running without interruption

POWER QUALITY YOU CAN RELY ON

The Vanguard LT 10 & 20kVA 3-Phase UPS is engineered to support mission-critical systems requiring high inrush current and crest factor performance, delivering reliable power for demanding environments. With low input THDi, high power factor, and integrated battery system, it simplifies installation while providing efficient, dependable backup power and long-term operational reliability.



(Rendering of Vanguard LT)

SUITABLE FOR USE WITH:

- > Small Data Centers
- > 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
- cTUVus Listed
- Conformal Coated Boards
- SNMP Card Included

SPECIFICATIONS

Model		NPU 10.0-HO-N	NPU 20.0-HO-N
Rated Capacity		10 kVA	20 kVA
Input	Input	3 Phase 4W+G	
	Rated Nominal Voltage	208/220VAC (L-L)	
	Rated Nominal Frequency	50/60Hz	
	Input Power Factor	>0.99	
	Current Distortion	THDi<3% (100% Linear load)	
	Voltage Range	166 - 261VAC (76 - 100% load)	
	Frequency Range	40- 70Hz	
Battery	Rated Nominal Voltage	240VDC (+ N -)	
	Type	VRLA, 12VDC / 7-9 Ah	
	Internal Quantity	60 to 80 Pcs	
	External Quantity	Optional - User Selectable	
	Charging Capacity	20%*Pout	
	Charger Regulation	±1%	
	Back Up Time @ Full Load	60 Batteries = 18 Mins 80 Batteries = 25 Mins	60 Batteries = 7 Mins 80 Batteries = 10 Mins
Bypass	Rated Nominal Voltage	208 / 220VAC	
	Voltage Range	- 40% to +25%, Selectable, (Default: - 20% to +15%)	
	Frequency Range	50/60Hz, Selectable: ±1Hz, ±3Hz, ±5Hz	
Inverter	Rate voltage	208/220VAC (L-L)	
	Rate Freq.	50/60Hz	
	Output PF	0.9 lagging to 0.9 leading	
	Voltage Regulation	±1.0%	
	Step Load Response	<5% (20% - 80% - 20% step load)	
	Recovery time	< 20ms (0% - 100% - 0% step load)	
	Output THDv	<1% (linear load) ,<5% (non- linear load according to IEC 62040- 3)	
	Overload	110% - 60 Mins; >110 - 125% - 10 mins; >125% to 150% - 1min; >150% - 200ms	
	Frequency Regulation	0.1%	
	Synch Window	±0.5Hz to ±5Hz, Selectable (Default ±3Hz)	
	Slew rate	0.5Hz/S to 3Hz/S, Selectable (Default 0.5Hz/S)	
	Crest factor	3:1	
	Phase Displacement	120°±0.5° for Balanced Load	
System	Efficiency	Normal Mode up to 94%; Battery Mode up to 94%	
	Display	LED + 7 inch touch LCD	
	Certification- Safety	cTUVus to UL 1778:2014 RA.24 and CSA C22.2 NO.107.3 (2024)	
	Certification- EMC	FCC CFR Title 47, Part 15sub part B- Section 15.107 and 15.109 ANSIC63.4- 2014 Class A	
	Configuration	SNMP, USB, RS232, RS485, Dry contact	
	Option	AS400 card, Cold start	
Environment	0-40°C (operating), -25°C-70°C (storage); 0-95% Humidity (non-condensing)		
Dimensions Inches (mm)	WxDxH	19.68x34.06x36.3 (500x865x922)	
Weight Lbs (kg)	Without Batteries	243 (111)	243 (111)
	Weight with batteries:	60 Batt: 573 (260) 80 Batt: 683 (310)	60 Batt: 573 (260) 80 Batt: 683 (310)