•DATA CENTER• •HOME & OFFICE• •MALLS•

NEOLINE PRO 300XL

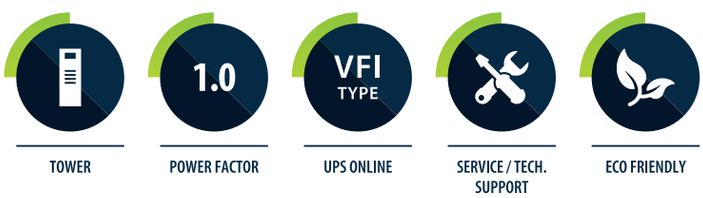
UNINTERRUPTIBLE POWER SUPPLIES

60-200kVA

3 PHASE IN / 3 PHASE OUT

- WIDE INPUT VOLTAGE RANGE
- 3-LEVEL INVERTER TOPOLOGY
- HIGH INPUT POWER FACTOR





TOWER | POWER FACTOR | UPS ONLINE | SERVICE / TECH. SUPPORT | ECO FRIENDLY

GENERAL SPECIFICATIONS

- Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 305Vac
- High input power factor, it is up to 0.99
- 3-level inverter topology, the efficiency can be up to 95.5%
- Support parallel expanded operation: maximum is 6 units
- Power Walk in function, reduces the start current impact to system, and reduce the capacity of generator
- Support sharing batteries for the UPS in parallel
- Output PF is 1.0 except for 200kVA, UPS can supply power to 100% unbalanced load
- High adaptability for load, it can connect full inductive load or capacitive load
- Compatible with VRLA or lithium battery
- LBS function can realize 2 independent UPSs work in synchronization, and enhance the reliability of the system
- Support USB, RS485, RS232, SNMP and dry contact card

TECHNICAL SPECIFICATIONS

MODEL		NEOLINE PRO 360XL	NEOLINE PRO 380XL	NEOLINE PRO 3100XL	NEOLINE PRO 3120XL	NEOLINE PRO 3150XL	NEOLINE PRO 3160XL	NEOLINE PRO 3180XL	NEOLINE PRO 3200XL
Capacity (VA/W)		60k/60k	80k/80k	100k/100k	120k/120k	150k/150k	160k/160k	180k/180k	200k/180k
INPUT									
Nominal voltage		380/400/415 VAC (3Ph+N+PE)							
Operating voltage range		138~305 VAC for 40% load; 305~485 VAC for 100% load							
Power factor		≥ 0.99							
Harmonic distortion (THDi)		THDi ≤ 3% Linear load							
Bypass voltage range		Max. voltage: 220VAC: +25% (Optional +10%, +15%, +20%) 230VAC: +20% (Optional +10%, +15%) 240VAC: +15% (Optional +10%) Min. voltage: -45% (Optional -10%, -15%, -20%, -30%)							
Bypass frequency range		50/60Hz ± 10%							
OUTPUT									
Nominal voltage		380/400/415 VAC (3Ph+N+PE)							
Voltage regulation		± 1%							
Power factor		1.0							0.9
Output frequency		Line mode: Synchronize with input, when the input frequency >±10% (±1%/±2%/±4%/±5% optional), output 50/60Hz (± 0.1); Bat. mode: (50/60Hz ± 0.2%)							
Crest factor		3:1							
Voltage THD		≤2% with linear load; ≤4% with non linear load							
Overload	Inverter mode	≤ 110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter							≤110% 60min, ≤125% 1min, >125% 1.2s shut down inverter
	Bypass mode	30°C: 135% for long term; 40°C: 125% for long term; >1000%, 100ms							
EFFICIENCY									
AC Mode		Up to 95.5%							
ECO Mode		Up to 99%							
BATTERY									
Battery type		VRLA/Li-ion							
Battery voltage		± 180 VDC ~ ± 300 VDC (30 ~ 50 pcs configurable, 30 pcs default) 36~50 pcs no power derating; 32-34 pcs output power factor 0.9 30 pcs output power factor 0.8							
Max. charging current		Max. 20	Max. 40			Max. 60			
ENVIRONMENTAL									
Operating temperature		0°C~40°C							
Storage temperature		-25°C~55°C							
Humidity range		0~95% (Non condensing)							
Altitude		1000m, derating required when >1000m							
Noise level		< 58dBA	< 60dBA	< 62dBA		< 63dBA		< 64dBA	< 66dBA
PHYSICAL									
Dimension HxWxD (mm)		868x250x828	1200x442x850						
Weight (kg)		83	144	147	152	190	200	220	230
STANDARDS									
Safety		IEC/EN 62040-1, IEC/EN 62477-1							
EMC		IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)							

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design