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NEOLINE 300

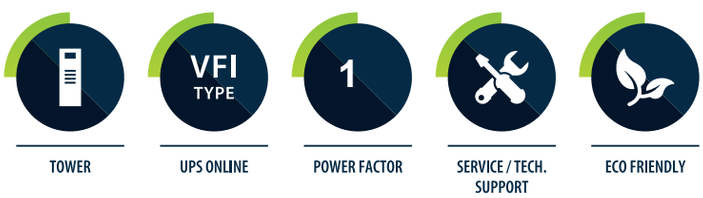
UNINTERRUPTIBLE POWER SUPPLIES

10-40kVA

3 PHASE IN / 3 PHASE OUT

- HIGH POWER DENSITY DESIGN
- ONLINE DOUBLE CONVERSION
- WIDE INPUT VOLTAGE RANGE





GENERAL SPECIFICATIONS

- High power density design
- N+X parallel redundancy,support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Wide input voltage range: 208~478Vac
- Wide input frequency range 40~70Hz
- Optimization battery group, the quantity of battery 10~30kVA: 16/18/20pcs (30~50pcs supportable) 40kVA: 30~50pcs
- Maximum charging current up to 20A (Settable)
- Dual input source (Optional for standard unit)
- Segment LCD, Colorful 2.4 inch TFT and 7 inch LCD displays are optional
- Versatile LCD human-computer interface
- Generator compatible
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Cold start
- The output can meet 100% unbalanced load
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage

TECHNICAL SPECIFICATIONS

MODEL		NEOLINE 310	NEOLINE 320	NEOLINE 330	NEOLINE 340
Capacity (VA/W)		10k/10k	20k/20k	30k/30k	40k/40k
INPUT					
Nominal voltage		380/400/415 VAC (3Ph+N+PE)			
Operating voltage range		305~478 VAC (Full load); 208~478 VAC (50% load)			
Power factor		≥0.99			
Harmonic distortion (THDi)		≤ 3% Linear load			
By-pass voltage range		Max. voltage: 220 VAC: +25% (Optional +10%, +15%, +20%) 230 VAC: +20% (Optional +10%, +15%) 240 VAC: +15% (Optional +10%) Min. voltage: -45% (Optional -20%, -30%)			
By-pass frequency range		40-70			
OUTPUT					
Nominal voltage		360/380/400/415 VAC (3Ph+N+PE)			
Power factor		1			
Voltage regulation		± 1%			
Output frequency		Line mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Batt. mode: 50/60Hz (±0.1%)			
Crest Factor		3:1			
Voltage THD		≤ 2% Linear load; ≤5% Non linear load			
Overload	AC Mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% immediately turn to bypass			
	Battery Mode	≤110% 10min, ≤125% 1min, ≤150% 5s, >150% immediately shut down			
EFFICIENCY					
AC Mode		Up to 93.5%	Up to 94.5%	Up to 95.2%	
ECO Mode		Up to 98.0%	Up to 98.2%	Up to 98.6%	
BATTERY					
Type		VRLA (Lead acid maintenance free battery)			
Battery voltage (VDC)		Chassis 1: ±120 (20pcs 9Ah) (20pcs 7Ah, 2×20pcs 7/9Ah, 3×20pcs 7/9Ah optional)	±120 (2×20pcs 9Ah) (2×20pcs 7Ah, 3×20pcs 7/9Ah optional)	±120 (3×20pcs 9Ah) (3×20pcs 7Ah optional)	±180 (2×30pcs 9Ah) (2×30pcs 7Ah optional)
Charging current		Max. 1.35A (2.7 Optional)	Max. 2.7A	Max. 4.05A	Max. 2.7A
ENVIRONMENTAL					
Operating temperature		0~40°C			
Storage temperature		-25~55°C (No battery)			
Humidity range		0~95% (Non condensing)			
Altitude		<1000m, derating required when >1000m			
Noise Level		< 55dBA	< 58dBA	< 61dBA	< 64dBA
PHYSICAL					
Dimension HxWxD (mm)		Chassis 1: 868x250x900	868x250x900		
Weight (kg)		Chassis 1: 129 (20pcs 9Ah)	187 (2×20pcs 9Ah)	236 (3×20pcs 9Ah)	239 (2×30pcs 9Ah)
STANDARD					
Safety		IEC/EN 62040-1, IEC/EN 62477-1			
EMC		IEC/EN 62040-2 (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, IEC 61000-2-2)			

TECHNICAL SPECIFICATIONS

MODEL		NEOLINE 310XL	NEOLINE 320XL	NEOLINE 330XL	NEOLINE 340XL
Capacity (VA/W)		10k/10k	20k/20k	30k/30k	40k/40k
INPUT					
Nominal voltage		380/400/415 VAC (3Ph+N+PE)			
Operating voltage range		305~478 VAC (Full load); 208~478 VAC (50% load)			
Power factor		≥0.99			
Harmonic distortion (THDi)		≤ 3% Linear load			
By-pass voltage range		Max. voltage: 220 VAC: +25% (Optional +10%, +15%, +20%) 230 VAC: +20% (Optional +10%, +15%) 240 VAC: +15% (Optional +10%) Min. voltage: -45% (Optional -20%, -30%)			
By-pass frequency range		40-70			
OUTPUT					
Nominal voltage		360/380/400/415 VAC (3Ph+N+PE)			
Power factor		1			
Voltage regulation		± 1%			
Output frequency		Line mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Bat. mode: 50/60Hz (±0.1%)			
Crest Factor		3:1			
Voltage THD		≤ 2% Linear load; ≤5% Non linear load			
Overload	AC Mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% immediately turn to bypass			
	Battery Mode	≤110% 10min, ≤125% 1min, ≤150% 5s, >150% immediately shut down			
EFFICIENCY					
AC Mode		Up to 93.5%	Up to 94.5%	Up to 95.2%	
ECO Mode		Up to 98.0%	Up to 98.2%	Up to 98.6%	
BATTERY					
Type		VRLA (Lead acid maintenance free battery)			
Battery voltage (VDC)		10~30kVA: ±96/108/120VDC; battery quantity: 16~20pcs, 16pcs default 20pcs no power derating 18pcs output power factor 0.8 16pcs output power factor 0.7			40kVA: ±180~300VDC (30~50pcs)
Charging current		Max. 14	Max. 18	Max. 20	
ENVIRONMENTAL					
Operating temperature		0~40°C			
Storage temperature		-25~55°C (No battery)			
Humidity range		0~95% (Non condensing)			
Altitude		<1000m, derating required when >1000m			
Noise Level		< 55dBA	< 58dBA	< 61dBA	< 64dBA
PHYSICAL					
Dimension HxWxD (mm)		655x250x580			
Weight (kg)		35	40	43	46
STANDARD					
Safety		IEC/EN 62040-1, IEC/EN 62477-1			
EMC		IEC/EN 62040-2 (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, IEC 61000-2-2)			