



- ✓ Tower (ST+), Standard models (K)
- ✓ Double conversion, 3phase with ground
- ✓ DSP technology microprocessor optimizes reliability
- ✓ Wide input voltage range (110-300 VAC)
- ✓ Active power factor correction in all phases
- ✓ 50Hz / 60Hz frequency inverter
- ✓ ECO standby mode to save power
- ✓ Programmable power management outlets
- ✓ Emergency shut-off function (EPO)
- ✓ Communication Ports SNMP + USB + RS-232
- ✓ Charging extension Design in 3 steps for optimized performance of the battery
- ✓ Bypass mode for maintenance (available)

Model	NEOLINE ST+ 10K	NEOLINE ST+ 15K	NEOLINE ST+ 20K	NEOLINE ST+ 30K
Capacity	10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W	30000 VA / 27000 W
<b>INPUT</b>				
Input voltage	3 x 400 VAC (3Ph+N)			
Voltage range	190-520 VAC (3-phase) @ 50% load, 305-478 VAC (3-phase) @ 100% load			
Frequency range	46-54Hz or 56-64Hz			
<b>OUTPUT</b>				
Power factor	0.9			
Output voltage	208/220/230/240VAC ±1%			
Frequency during battery operation	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current crest ratio	3:1			
Harmonic distortion	≤2 % THDi (linear load), ≤5 % THDi (non-linear load)			
Transfer time	From AC to battery: 0 ms / From Inverter to bypass: 0 ms			
Waveform	Pure sinewave			
<b>EFFICIENCY</b>				
Mains mode	91.5%	91.8%	91.8%	92.1%
ECO mode	97.0%	97.0%	97.0%	97.0%
Battery mode	87.0%	88.0%	88.0%	89.0%
<b>BATTERIES</b>				
Sort	Lead acid. Waterproof, prevent leaks, do not require maintenance.			
Standard models	Type & quantity	12V/9Ah 20 pcs (18 - 20 pcs adjustable)	12V/9Ah 20 pcs (18 - 20 pcs adjustable) x 2 strings	12V/9Ah 20 pcs (18 - 20 pcs adjustable) x 3 strings
	Charging current (max.)	1A	2A	4A
	Charging time	9 hours recover to 90% capacity		
	Charging voltage	273VDC ± 1% (Based on 20pcs batteries)		
<b>PHYSICAL</b>				
Tower	Dimensions, WxDxH (mm)	592 x 250 x 576		815 x 250 x 826
	Net weight (kg)	28.00	40.00	64.00
<b>ENVIRONMENT</b>				
Operating temperature & humidity	0-95% RH @ 0-40 °C (non-condensing)			
Noise Level	≤ 58dB @ 1m	≤ 60dB @ 1m		≤ 65dB @ 1m
<b>MANAGEMENT</b>				
Smart RS-232/USB	Supports: Windows® 2000/XP/Vista/7/8/10, Linux, Unix, Mac OS			
SNMP (optional)	Power management from SNMP manager and web browser			