

On Line UPS



The range Neo UPS uses double conversion technology to provide clean, high level quality power to fully protect mission-critical devices such as communications networks, small computer centers, servers, telecoms applications and industrial applications.

Wide input voltage range (110 V -300 V)

Neo provides stable power to connected devices under unstable power environments.

Programmable power management outlets

With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.

ECO mode operation for energy saving

Offers efficiency as high as 97% to cut energy usage & operation cost. UPS powers application via static bypass, timely returning to online double conversion when the need arises.

50/60 Hz Frequency Converter Mode

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

Emergency Power Off (EPO) Function

This feature can secure the personnel and equipment in case of emergency.

Parallel System (Neo 6K και 10K)

Neo 6K & 10K models can be used in parallel operation with up to 3 units. This function increases power capacity, safety and availability.

Maintenance bypass (Neo 6K & 10K)

Internal bypass assures continuous power to critical devices during UPS maintenance.

Neo 1000-10000VA



Smart battery charger design to optimize battery performance

Neo series is equipped with 2 or 3 stage charger design to guarantee battery recharge time. Besides, it will adjust charging voltage according to outside temperature. These features will extend the useful service life of batteries.

In addition, the extendable charger design can be stacked in numbers for large-capacity battery charging.

SNMP + USB + RS-232 multiple communications

The communication of the UPS is done via the USB or RS-232 and also with SNMP interface.



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Model		Neo 1K	Neo 1,5K	Neo 2K	Neo 3K	Neo 6K	Neo 10K
PHASE		1 phase in / 1 phase out					
CAPACITY		1000VA/800W	1500VA/1200W	2000VA/1600W	3000VA/2400W	6000VA/4800W	10000VA/8000W
INPUT							
Voltage Range	Low Line Transfer	160 VAC ± 5% or 80 VAC ± 5% @ 100% load				176 VAC ±3% @ 100% load	
		110 VAC ± 5% or 50 VAC ± 5% @ 50% load				110 VAC ±3% @ 50% load	
	Low Line Comeback	175 VAC ± 5% or 85 VAC ± 5% @ 100% load				186 VAC ± 3% @ 100% load 120 VAC ± 3% @ 50% load	
	High Line Transfer	300 VAC ± 5% or 150 VAC ± 5%				300 VAC ± 3%	
	High Line Comeback	290 VAC ± 5% or 145 VAC ± 5%				290 VAC ± 3%	
Frequency Range		40 Hz ~ 70 Hz				46 ~ 54 Hz or 56 ~ 64 Hz	
Power Factor		≥ 0.99 @ nominal voltage (100% load)				≥ 0.99 @ 100% load	
OUTPUT							
AC Voltage Regulation (Batt. Mode)		± 3%				± 1%	
Frequency Range (Synchronized Range)		47~53 Hz or 57~63 Hz				46 ~ 54 Hz or 56 ~ 64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz				50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1					
Harmonic Distortion		≤ 3% THD (Linear Load)		≤ 4% THD (Linear Load)		≤ 3% THD (Linear Load)	
		≤ 6% THD (Non-Linear Load)		≤ 7% THD (Non-Linear Load)		≤ 6% THD (Non-Linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero					
	Inverter to Bypass	4 ms (Typical)				Zero	
Waveform (Batt. Mode)		Pure sine wave					
EFFICIENCY							
AC mode		85%		88%		89%	
Battery mode		83%				88%	
BATTERY							
Battery Type		12V / 7AH	12V / 9AH	12V / 7AH	12V / 9AH	12 V / 7 AH	12V / 9AH
Number		3	3	6	6	20	20
Typical Recharge Time		4 hours recover to 90% capacity				7 hours recover to 90% capacity	9 hours recover to 90% capacity
Charging Current (max.)		1.0 A					
Charging Voltage		41.0 VDC ± 1%		82.1 VDC ± 1%		273 VDC ± 1%	
INDICATORS							
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions					
ALARMS							
Battery Mode		Sounding every 4 seconds					
Low Battery		Sounding every second					
Overload		Sounding twice every second					
Fault		Continuously sounding					
PHYSICAL							
Dimension, D X W X H (mm)		397 x 145 x 220		421 x 190 x 318		592 x 250 x 576	
Net Weight (kgs)		13	14	26	28	81	83
ENVIRONMENT							
Humidity & Temperature		20-90 % RH @ 0- 40°C (non-condensing)					
Noise Level		<45dBA @ 1 Meter				<55dBA @ 1 m	<58dB @1 m
COMMUNICATION							
Smart RS-232		Supports Windows 98/2000/2003/XP/Vista/2008, Windows 7, Linux and MAC					
USB							
SNMP							

