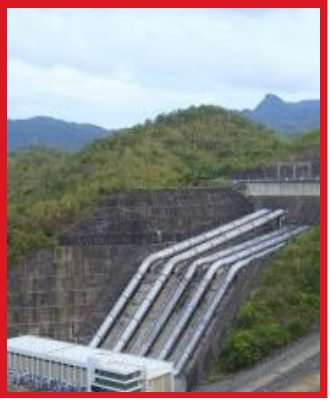
On Line UPS

Neo Rack 1000-10000VA

The range Neo Rack 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 (110V-300V)
Neo Rack 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 critical loads by shutting down the non-critical devices.

ECO mode operation for energy saving
Offers efficiency as high as 97% to cut energy usage & cost. UPS power 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.

Maintenance bypass available (Neo Rack 6K & 10K)
Internal bypass assures continuous power to critical devices during UPS maintenance.

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

DSP technology applied for Neo Rack 6K & 10K
A DSP controller provides an improved and cost-effective solution with high performance.

Smart battery charger design to optimize battery performance
The Neo Rack range is equipped with 2 or 3 stage charger designed to guarantee battery recharge time. Also, it adjusts charging voltage according to outside temperature. These features extends the storage capacity and the life cycle of the batteries.
The extendable charger design can be stacked in numbers for large-capacity battery charging.

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

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Model		Neo 1K RACK	Neo 1.5K RACK	Neo 2K RACK	Neo 3K RACK	Neo 6K RACK	Neo 10K RACK
PHASE		**Single Phase Input / Single Phase Output**					
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 Sinewave					
EFFICIENCY							
AC Mode		85%		88%		89%	
Battery Mode		83%				88%	
BATTERY							
Battery Type		12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
Numbers		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					
ALARM							
Battery Mode		Sounding every 4 seconds					
Low Battery		Sounding every second					
Overload		Sounding twice every second					
Fault		Continuously sounding					
PHYSICAL							
Dimension, H x W x D		2U x 19'' x 420mm		3U x 19'' x 580mm		UPS: 3Ux19'' x 580mm	UPS : 3U x 19'' x 668mm
						Battery Pack : 3U x 19'' x 580mm	Battery Pack : 3U x 19'' x 580mm
Net Weight (kgs)		16	17	29	31	UPS Unit : 17	UPS Unit : 20
						Battery Pack : 57	Battery Pack : 63
ENVIRONMENT							
Humidity		20-90 % RH @ 0- 40°C (non-condensing)					
Noise Level		<45dB @ 1Meter				<55dBA @ 1Meter	<58dBA @ 1Meter
COMMUNICATION							
Smart RS-232/USB		Supports Windows 98/2000/2003/XP/Vista/2008, Windows 7, Linux and MAC					
Optional SNMP		Power management from SNMP manager and web browser					

If the UPS is installed or used in a place where the altitude is above than 1000m the output power must be derated one percent per 100m.

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