

On Line UPS



Neo Pro+ 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.

Output power factor 0.9

Neo Pro+ is a high-density UPS with output power factor 0.9 to provide higher performance and efficiency to critical applications.

DSP technology

A DSP controller provides an improved and cost-effective solution with high performance.

Active power factor correction in each phase

The power factor correction is active at all periods and increases the input performance.

ECO mode operation for energy saving

Offers efficiency up 97% to reduce energy usage & operation cost. UPS Neo Pro+ supplies the loads 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 supply power sensitive equipments.

Neo Pro+ (1-10KVA)



Ηλεκτρονικά Ισχύος
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ΧΡΟΝΙΑ
Εγγύηση
UPS
&
αυτοματεύς

SNMP + USB + RS-232 multiple communications

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

Pure sine wave output

With pure sine wave output, Neo Pro+ series guarantees compatibility for all kinds of loads.



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Model		Neo Pro+ 1K (L)		Neo Pro+ 2K (L)		Neo Pro+ 3K(L)		Neo Pro+ 6K (L)		Neo Pro+ 10K(L)	
PHASES		PHASE 1 phase in / 1 phase out									
POWER*		1000 VA / 900 W		2000 VA / 1800 W		3000 VA / 2700 W		6000 VA/ 5400 W		10000 VA/ 9000 W	
INPUT											
NOMINAL VOLTAGE		208/220/230/240 VAC						208/220/230/240 VAC			
VOLTAGE RANGE		120-300 VAC (for load 50%) 180-300 VAC (for load 100%)						110-300 VAC (for load 50%) 176-300 VAC (for load 100%)			
FREQUENCY RANGE		40 ~ 70 Hz						46-54 Hz or 56-64 Hz			
POWER FACTOR		≥ 0.99 @ Nominal voltage (100% load)									
OUTPUT											
OUTPUT VOLTAGE		208/220/230/240 VAC						208/220/230/240 VAC			
VOLTAGE FLACTUATION		±1%									
VOLTAGE RANGE IN SYNCHRONIZATION		47 ~ 53 Hz or 57 ~ 63 Hz						46 ~ 54 Hz or 56 ~ 64 Hz			
VOLTAGE RANGE (Batt.mode)		50 Hz or 60 Hz ± 0.5%						50 Hz or 60 Hz ± 0.1 Hz			
CURRENT CREST RATIO		3 : 1									
HARMONIC DISORTION		≤ 3% THD (linear load)						≤ 3% THD (linear load)			
		≤ 6% THD (non linear load)						≤ 5% THD (non linear load)			
TRANSFER TIME	AC Mode to Batt. Mode	0									
	Inverter to Bypass	4 ms (Typical)						0			
WAVEFORM (Batt. Mode)		Pure sine wave									
EFFICIENCY											
AC mode		88%		89%		90%		92%		93%	
Battery mode		83%		87%		88%		90%		91%	
BATTERIES											
Standard Model	Type	12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah			
	Number	2	3	4	6	6		16		20	
	Typical recharge type	4 hours recover to 90% capacity						9 hours recover to 90% capacity			
	Charging Current (max)	1 A						1 A / 2 A			
	Charging Voltage	27.4 VDC ±1%	41.0 VDC ±1%	54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%		218.4 VDC ±1%		273 VDC ±1%	
Long-run Model	Type	It depends the application									
	Number	3		6		6		16 ~ 20 (configurable)			
	Charging Current (max)	1.0A/2.0A/4.0A/6.0A						1A/2A/4A/6A (configurable,6A available only for batteries 16pcs)			
	Charging Voltage	41.0 VDC ±1%		82.1 VDC ±1%		82.1 VDC ±1%		273 VDC ±1% (για 20pcs συσσωρευτές)			
INDICATORS											
LCD		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions									
ALARMS											
BATTERY MODE		Sounding every 4 seconds									
LOW BATTERY MODE		Sounding every second									
OVERLOAD		Sounding twice every second									
FAULT		Continuously sounding									
PHISICAL											
Standard Model	Dimensions D X W X H (mm)	282x145x 220	397x145x 220	397x145x 220	421x190x 318	421x190x318		369x190x688		442x190x688	
	Net weight (kgs)	9.8	11.4	17	26.2	27.6		61		76	
Long-run Model	Dimensions D X W X H (mm)	282x145x220		397x145x220				369x190x318		442x190x318	
	Net weight (kgs)	4.4		6.8		7.6		12		16	
ENVIRONMENT											
Humidity & Temperature		20-90 % RH @ 0- 40°C (non condensing)						0-95 % RH @ 0- 50°C (non condensing)		0-95 % RH @ 0- 40°C (non condensing)	
Noise level		<50dBA @ 1 meter						<55dBA @ 1 meter		<58dBA @ 1 meter	
COMMUNICATION											
Smart RS-232 / USB		Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8/10, Linux and MAC									
SNMP		Power management SNMP και web browser (optionally)									

