



Nemesis On-Line Pure Sine Wave UPS



Product Benefits

- True On-line Double Conversion
- High Reliability (Working in True On-Line Double Conversion means your batteries will last longer and need to be changed less frequently)
- Advanced Digital Control Technology
- Wide Range Input Window from 110~300Vac
- Active Harmonic Current Control
- Multi-Mode Operation
- Smart Cooling Fan Design
- Battery Expansion port
- Battery Discharge Management (Automatically manages the discharge voltage of the internal batteries according to the load.)
- Personalisation & Intelligent Self-diagnostic
- Easy to use Program software
- Support Control Key Converted into ECO Mode
- Remote Emergency Power off
- LCD Display (Display that gives real time view of all working parameters)

Information

The Nemesis range is ideal for small or medium power protection applications where reliable back up power must emulate mains power perfectly. The UPS can be rack or tower mounted, and is perfect for working alongside sensitive mains equipment such as VoIP, Monitors, computers

and Telecommunications. All Nemesis units have an EPO, expansion ports and expansion battery port, meaning the UPS can be upgraded as your needs change. Can be viewed and controlled on a computer anywhere in the world using our own Kratos software.



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This product is available from

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W: www.qedgroup.co.uk

Specification					
Model		Nemesis N90	Nemesis N180	Nemesis N270	
Input	Voltage**	110/140/160-300 VAC (Based on load percentage 0-25% / 25-50% / 50-100%)			
	Frequency	45-65Hz (Auto Sensing)			
	Power Factor	≥0.99 (Full Linear Mode)			
	Generator Input	Supported			
	Input Connection	10A, IEC 320-C14	16A, IEC 320-C20		
	Capacity	N90/N180/270 when input voltage is 210~240Vac PF=0.9(900/1800/2700W) when input voltage is 185~260Vac PF=0.8(800/1600/2400W) when input voltage is 160~300Vac PF=0.7(700/1400/2100W)			
Output	Voltage	240V	240V	240V	
	Voltage Regulation	Within ±1% until low battery warning			
	Frequency Sync Range	3Hz or 1Hz selectable			
	Frequency (battery Mode)	50/60 Hz 0.1% unless synchronised to the line			
	Current Crest Ratio	3:1			
	Harmonic Distortion	<3% at full Linear Load, <7% at full Non-Linear Load			
	Output Waveform	Pure Sinewave			
	Outlets	(3) 10A, IEC 320-C13	(6) 10A, IEC 320-C13	(6) 10A, IEC 320-C13 IEC16A x 1	
	Overload Capacity (tolerance ±1%) In Line Mode	210~265VAC Derating PF=0.9			
		900W/100%	1800W/100%	2700W/100%	
		<105% Continuous, 106-120% for 30 seconds transfer to by-pass 121-150% for 10 seconds transfer to bypass >150% immediately transfer to bypass Buzzer continuously alarms			
		185~300VAC Derating PF=0.8			
		800W/100%	1800W/100%	2700W/100%	
		<105% Continuous 106-118% for 30 seconds transfer to by-pass 119-120% for 10 seconds transfer to bypass >150% immediately transfer to bypas Buzzer continuously alarms			
		160~185VAC Derating 22% PF=0.7			
700W/100%		1400W/100%	2100W/100%		
	<105% Continuous, 106-118% for 30 seconds transfer to by-pass 119-120% for 10 seconds transfer to bypass >150% immediately transfer to bypass Buzzer continuously alarms				
	Battery Mode <105% continuous 106-120% for 30 seconds shuts down 121-150% for 10 seconds shuts down >150% Immediately shuts down Buzzer continuously alarms				
Bypass Mode		<105% continuous 106-120% for 250 seconds shuts down 121-130% for 125 seconds shuts down 131-135% for 50 seconds shuts down 136-145% for 20 seconds shuts down 146-148% for 5 seconds shuts down 149-157% for 2 seconds shuts down 158-176% for 1 second shuts down 177-187% for 0.32 of a Buzzer continuously alarms			

Specification					
Model		Nemesis N90	Nemesis N180	Nemesis N270	
Efficiency	Line Mode	90%	91%	92%	
	Battery Mode	85%	85%	86%	
	ECO Mode	97%	97%	97%	
Battery	Number of Batteries	3	6	6	
	Related Battery Voltage	7Ah	7Ah	9Ah	
	Rated Battery Voltage	36VDC	63VDC	63VDC	
	Back up time (Linear Load)	50% Load	>6min	>6min	>6min
		70% Load	>3min	>3min	>3min
		100% Load	>1min	>1min	>1min
	Charge current max	Standard	1.5A	1A	1A
		External	3A	3A	3A
	Recharge Time (to 90%)	4hr	4hr	4hr	
	Floating Mode Charging Voltage	27.4VDC±1%	54.8VDC±1%	82.2VDC±1%	
Bulk Mode Charging Voltage	30VDC±1%	60.0VDC±1%	90.0VDC±1%		
DC Leakage Current	≤30µA with no AC applied and the unit in the off position				
Transfer Time	AC to DC	0mS			
	Inverter to Bypass	4mS (Typical)	4mS (Typical) / 0mS (Optical)		
DC Start	Yes				
Self Diagnosis	Upon Power-on, Front panel settings & software control, 24 hours routine check				
Front Panel	LCD	Normal, Battery, Bypass, Self-Test, Battery weak & Bad site wiring fault, Fault, Overload and Load/Battery Leve			
	Button	ON/OFF/Select/Silence			
Alarm	Battery Mode	Sounds once every 1.5 seconds			
	Low Battery	Sounds once every 0.2 seconds			
	Overload	Sounds once every 3 seconds			
	Normal alarm	Sounds once every 3 seconds			
	Fault	Continuous tone			
Protection	Short Circuit	Bypass mode: Fuse			
		Normal Mode: Output Breaker/Electronic Circuit Battery Mode: Output Breaker/Electronic Circuit			
	Battery	Battery Displacement Management			
	EPO	Shuts down UPS Immediately			
Physical	Over Temperature	Normal Mode : Transfer to bypass mode Battery Mode: UPS Shuts down immediately			
	Dimensions (DxWxHmm)	390x440x88	475x440x88	600x440x88	
	Weight	10kg	18kg	25kg	
	Environmental	Operating Temperature	0-40° C		
Noise Level		≤50dB			
Relative Humidity		0-90% (without condensation)			
Interface	Standard	RS-232			
	Option	EPO, 2nd RS232, USB, RS485, Dry contacts, SNMP/Web Card			
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.			
Standards and Certifications	Safety	EN62040-1			
	EMC	EN62040-2, EN61000-3-2, EN61000-3-3			
	Marks	CE			

** Depending on the model and rating voltage, please contact www.Kratos-UPS.co.uk for more information.