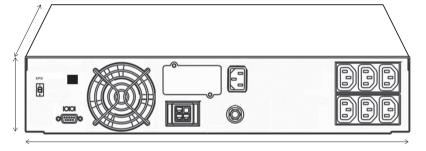


475mm

88mm

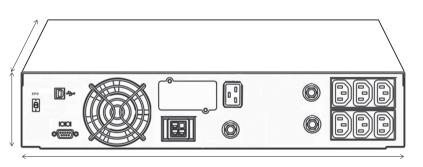


440mm

N270

600mm

88mm



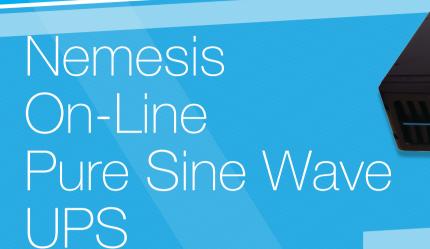
440mm



## This product is available from

445 Oakshott Place, Walton Summit Centre Bamber Bridge, Preston PR5 8AT

T: 01772 336 111 F: 01772 336 444 E: sales@qedgroup.co.uk W: www.qedgroup.co.uk



## **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.

<b>Specificatio</b>	n	3:1  <3% at full Linear Load, <7% at full Non-Linear Load Pure Sinewave  (3) 10A, IEC 320-C13 (6) 10A, IEC 320-C13 (6) 10A, IEC 320-C13 IEC16A x 1  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				
Model		Nemesis N90	Nemesis N180	Nemesis N270		
Input	Voltage**	110/140/160-300 VAC (Based on load percentage				
	Frequency					
	Power Factor	`				
	Generator Input					
	Input Connection	10A, IEC 320-C14		16A, IEC 320-C20		
	Capacity	N90/N180/270				
		when input voltage is 185~260Vac PF=0.8(800/1600/2400W)				
Output	Voltage	240V	240V	240V		
	Voltage Regulation	, ,				
	Frequency Sync Range					
	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	` '		
	Overload Capacity	210~265VAC Derating PF=0.9				
	(tolerance ±1%) In Line Mode	900W/100%	1800W/100%	2700W/100%		
		121-150% for 10 secon >150% immediately tra	nds transfer to bypass ansfer to bypass			
		•				
			ŭ	2700W/100%		
		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 secon 121-130% for 125 secon 131-135% for 50 secon 136-145% for 20 secon 146-148% for 5 second 149-157% for 2 second 158-176% for 1 second 177-187% for 0.32 of a	onds shuts down nds shuts down nds shuts down ds shuts down ds shuts down ds shuts down	rms		

Model			Nemesis N90	Nemesis N180	Nemesis N270		
Efficiency	Line Mode	9	90%	91%	92%		
Lincichey			85%	85%	86%		
	Battery Mode ECO Mode		97%	97%	97%		
Battery	Number of Batteries		3	6	6		
	Related Battery Voltage		7Ah	7Ah	9Ah		
	Rated Battery Voltage		36VDC	63VDC	63VDC		
	Backup 50% Load		>6min	>6min	>6min		
	Back up time (Linear Load)	70% Load	>3min	>3min	>3min		
		100% Load	>1min	>1min	>1min		
	Charge current				1A		
		Standard	1.5A	1A			
	max	External	3A	3A	3A		
	ŭ	Time (to 90%)	4hr	4hr	4hr		
		le Charging Voltage	27.4VDC±1%	54.8VDC±1%	82.2VDC±1%		
		harging Voltage	30VDC±1%	60.0VDC±1%	90.0VDC±1%		
		ge Current	≤30µA with no AC applied and the unit in the off position				
ransfer	AC to DC	_	0mS		(0 11 1)		
ime	Inverter to Bypass		4mS (Typical)	4mS (Typical) / 0mS	(Optical)		
OC Start			Yes				
Self			Upon Power-on, Front panel settings & software control,				
Diagnosis			24 hours routine check				
ront Panel	LCD		Normal, Battery, Bypass, Self-Test, Battery weak & Bad site wiring fault,				
	Fault, Overload and Load/Battery Leve						
	Button		ON/OFF/Select/Silence				
Marm	Battery M	Sounds once every 1.5 seconds					
	Low Batte	ery	Sounds once every 0.2 seconds				
	Overload Sounds once			very 3 seconds			
	Normal alarm Sounds once every 3 s			3 seconds			
	Fault		Continuous tone				
Protection	Short Circ	cuit	Bypass mode: Fuse				
			Normal Mode: Output Breaker/Electronic Circuit Battery				
			Mode: Output Breaker/Electronic Circuit				
	Battery		Battery Displacement Management				
	EPO		Shuts down UPS Immediately				
	Over Tem	perature	Normal Mode : Transfer to bypass mode				
			Battery Mode: UPS Shuts down immediately				
Physical	Dimension	ns (DxWxHmm)	390x440x88	475x440x88	600x440x88		
	Weight		10kg	18kg	25kg		
Environmental	Operating	Temperature	0-40° C				
Livilorimontal	Noise Lev	·	≤50dB				
	Relative H		0-90% (without condensation)				
Interface	Standard		RS-232				
	Option		EPO, 2nd RS232, USB, RS485, Dry contacts, SNMP/Web Card				
		le Platforms	Microsoft Windows series, Linux, Mac, etc.				
Standards	Safety		EN62040-1				
	EMC		EN62040-2, EN61000-3-2, EN61000-3-3				
and	Marks CE						

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