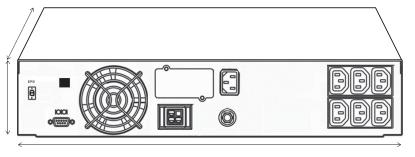


390mm 88mm

N180

475mm

88mm

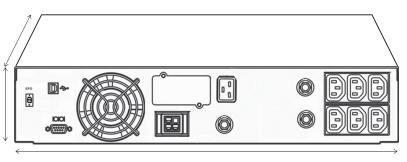


440mm

N270

600mm

88mm



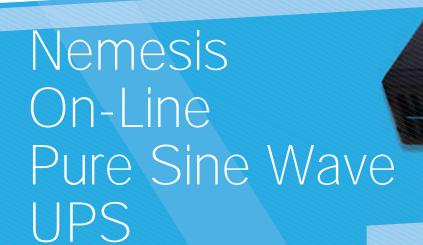
440mm



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.

Specification	on					
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			
·	Voltage Regulation	Within ±1% until low b				
	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	210~265VAC Derating PF=0.9				
	(tolerance ±1%)	900W/100%	1800W/100%	2700W/100%		
	In Line Mode	<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%	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				
	Patton, Mada	Buzzer continuously alarms <105% continuous				
	Battery Mode	106-120% for 30 second	nde shute 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 second 158-176% for 1 second	ds shuts down	rms		

Specification Model			Nemesis N90	Nemesis N180	Nemesis N270		
	Lina Mada		90%	91%	92%		
Efficiency	Line Mode						
	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	AC to DC		0mS				
Time	Inverter to Bypass		4mS (Typical)	4mS (Typical) / 0mS (Optical)		
DC Start			Yes				
Self			Upon Power-on, Front panel settings & software control,				
Diagnosis			24 hours routine check				
Front Panel	LCD Normal, Battery, Bypass, Self-Test, Battery weak & Bad site wiring f				eak & Bad site wiring faul		
	Fault, Overload and Load/Battery Leve						
	Button		ON/OFF/Select/Silence				
Alarm	Battery M	ode	Sounds once every 1.5 seconds				
	Low Batte		Sounds once every 0.2 seconds				
	Overload	,	Sounds once every 3 seconds				
	Normal al	arm	Sounds once every 3 seconds				
	Fault		Continuous tone				
Protection	Short Circ						
			Normal Mode: Output Breaker/Electronic Circuit Battery				
			Mode: Output Breaker/Electronic Circuit				
	Battery		Battery Displacement Management				
	EPO		Shuts down UPS Immediately				
	Over Tem	nerature	Normal Mode : Transfer to bypass mode				
	0.000.0000	polatalo	Battery Mode: UPS Shuts down immediately				
Physical	Dimension	ns (DxWxHmm)	390x440x88	475x440x88	600x440x88		
. Try of Oar	Weight	(DX44XI IIIIII)	10kg	18kg	25kg		
Environmental	-	Temperature	Ü				
Environmental	Noise Lev	Temperature	0-40° C				
			≤50dB				
Interface	Relative H	iumuity	0-90% (without condensation)				
	Standard		RS-232				
	Option	I. Divis	EPO, 2nd RS232, USB, RS485, Dry contacts, SNMP/Web Card				
Compatible Platforms			Microsoft Windows series, Linux, Mac, etc.				
Standards	Safety		EN62040-1				
and	EMC		EN62040-2, EN61000-3-2, EN61000-3-3				
Certifications	Marks CE						

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