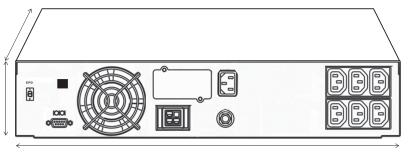


N180

600mm

88mm

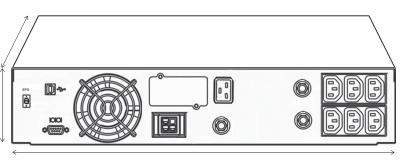


440mm

N270

600mm

88mm



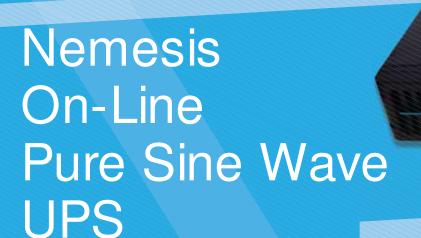
440mm



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	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	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					
			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%				
		119-120% for 10 seco >150% immediately tra Buzzer continuously al	ansfer to bypass				
	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					

Model			Nemesis N90	Nemesis N180	Nemesis N270		
Efficiency	Line Mode		90%	91%	92%		
Emolorioy	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		
	50% Load		>6min	>6min	>6min		
	Back up time (Linear Load)	70% Load	>3min	>3min	>3min		
		100% Load	>1min	>1min	>1min		
	Charge current	Standard	1.5A	1A	1A		
		External	3A	3A	3A		
	max Pochargo	Time (to 90%)	4hr	4hr	4hr		
		, ,	27.4VDC±1%	54.8VDC±1%	82.2VDC±1%		
	Floating Mode Charging Voltage			60.0VDC±1%			
	Bulk Mode Charging Voltage		30VDC±1%		90.0VDC±1%		
Transfer	DC Leakage Current		≤30µA with no AC applied and the unit in the off position				
Transfer	AC to DC		0mS	4mC (Timing) / 0m2 (1)	Ontical		
Time	Inverter to Bypass		4mS (Typical)	4mS (Typical) / 0mS (0	Optical)		
DC Start			Yes				
Self			Upon Power-on, Front panel settings & software control,				
Diagnosis	1.00		24 hours routine check				
Front Panel	LCD Normal, Battery, Bypass, Self-Test, Battery weak & Bad site wiring				ak & Bad site wiring faul		
	5		Fault, Overload and Load/Battery Leve				
	Button		ON/OFF/Select/Silence				
Alarm	Battery M		Sounds once every 1.5 seconds				
	Low Batte	ery	Sounds once every 0.2 seconds				
	Overload		Sounds once every 3 seconds				
	Normal ala	arm	Sounds once every 3 seconds				
	Fault		Continuous tone				
Protection	Short Circ	uit	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		ns (DxWxHmm)	390x440x88	600x440x88	600x440x88		
	Weight		10kg	18kg	25kg		
Environmental	Operating	Temperature	0-40° C				
	Noise Lev	el	≤50dB				
	Relative H	lumidity	0-90% (without condensation)				
Interface	Standard		RS-232				
	Option		EPO, 2nd RS232, USB, RS485, Dry contacts, SNMP/Web Card				
	Compatib	le 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.