

Exon Series High Performance Outdoor Online UPS 1-10KVA (1 Ph in / 1 Ph out)

Standard Conform to IEC regulation | EMC IEC62040-2, IEC61000-4-2-5



Product Information

Model	Exon 1-10 KVA
Nominal Voltage	220 / 230 / 240 VAC
Nominal Frequency	50 / 60 Hz
Output Power Factor	0.9

Key Features

- Intelligent High Frequency Online UPS for continuous pure sine wave AC power supply for outdoor communications / network equipment applications
- Double-conversion online design, high temperature resistance, anti-cold, IP55 rated protection;
- Wide range of input voltage and frequency of input window (-45% +35% rated voltage and $\pm 10\%$ rated frequency).

Application

- Exon is apt for applications in the outdoor environment of city, remote roads, mountains, extreme environment, such as high temperature (+50°C) / low temperature (-40°C), severe dust, moisture, rain, mist erosion with very poor power quality (voltage higher than 260V or less than 160V, frequency abnormal change) in the area.

High Reliability of the UPS System

- Microprocessor controlled, Exon produces high frequency pulse width modulation wave (SPWM) control of the UPS inverter, simplifies the UPS control circuit, improves the stability, and realtime response to changes in the external environment
- Exon uses digital control techniques, to avoid the defects in traditional analog control to ensure consistency and reliability of UPS.

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Additional Features

Fine dust-proof, water-proof features

According to the overall standard of design dustproof and water-proof IP55.



- With a sun protection, heat insulation, roof ventilation.

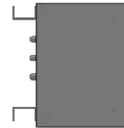


- With waterproof and the filtration dust inlet; the cabinet front door shutter has a waterproof design and allows quick release feature of the dust.

Security features



- Solid chassis box



- Fixed base

Environmental Adaptability



- Wide input voltage helps to avoid frequent switching to battery power because of large power grid voltage, It reduces battery failure probability and helps to adapt to the areas with poor power environment.

Optional Accessories

Heat exchanger

Heat exchanger to effectively reduce the temperature of box inside and improve IP protection level for applications with requirements of high IP Rating



Heater and temperature controller

Adjustable heating device to ensure optimum use of UPS and batteries in cold temperature



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Technical Specifications

Model	E001N61	E002N61	E003N61	E006N61	E010N61
Capacity (VA / Watts)	1KVA / 0.9KW	2KVA / 1.8KW	3KVA / 2.7KW	6KVA / 5.4KW	10KVA / 9KW
Nominal Voltage	220 / 230 / 240 VAC				
Nominal Frequency	50Hz / 60Hz				

Input

Voltage Range	115 ~ 295VAC (± 3VAC)	176 ~ 297VAC (± 3VAC)
Frequency Range	50HZ (46 ~ 54HZ) ; 60HZ (56HZ ~ 64HZ)	
Soft Start	0 ~ 100% 5sec	
Power Factor	0.98	

Output

Voltage Precision	220 / 230 / 240X (1±2%)VAC	
Frequency Precision	50/60Hz ± 0.05%Hz	
Power Factor	0.9	
Wave Distortion	Linear load <3% Non-linear load <6%	
Overload Capability	Overload (110% ~ 150%) for 30 seconds, then automatically transfer to bypass. When load is normal it can automatically transfer to normal mode.	
Crest Factor	3 : 1	
Transfer Time	0ms (AC to DC) 36VDC	

Battery

DC Supply Voltage	24 / 36 / 48VDC	96VDC	96VDC	192 ~ 240VDC	192 ~ 240VDC
Charge Current	4A / 8A (optional)	4A / 8A (optional)	4A / 8A (optional)	4.2A	4.2A
Internal Battery Capacity	(38 / 65 / 80 / 100AH) optional				

Panel Display

LCD	Display input and output voltage, frequency, battery voltage, battery capacity, load percentage.
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Communications

Communicate Interface	RS232, SNMP card (optional)
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Work Environment

Temperature	0 ~ 55°C
Humidity	0 ~ 95% non-condensing
Storage Temperature	-25°C ~ 55°C
Elevation	< 1500m

Physical

Net Weight (Kg)	85	125	125	150	155
Dimension(D x W x H) mm	640 x 900 x 900	640 x 900 x 1185	640 x 900 x 1185	940 x 940 x 1170	940 x 940 x 1170

Specifications are subject to change without prior notice.

