

Aurelion Outdoor UPS



Key Features

- Provide continuous power to critical loads during blackout in rugged environment
- Wide operating temperature range from -40°C to 70°C suits for outdoor applications
- Built-in boost and buck AVR to regulate input voltage
- Selectable transfer time for normal or generator modes
- Provide RS-232, USB and SNMP intelligent port
- Circuit breaker protection on AC input, AC output and external battery input
- User-adjustable charging current
- Adjustable input threshold voltage
- Provide programmable signals for dry contacts
- Battery compensation optimizes battery lifecycle

Technical Specifications

Model		E001AUOR21	E002AUOR21
Rated Power		1000VA / 800W	2000VA / 1600W
Input			
Nominal Voltage		230/240 VAC	
Acceptable Voltage Range		176 ~ 300 VAC user programmable. Default: 200 ~ 260VAC	
Frequency Range		50 Hz/60 Hz (Auto sensing)	
Output			
Nominal Voltage		230/240 VAC	
Voltage Regulation (Batt. Mode)		230/240 VAC ± 5%	
Output Frequency		50Hz/60Hz ± 0.1%	
THD (Batt. Mode)		<3% @ Full resistive load	
Efficiency	AC Mode	95%	
	AVR Mode	90%	
	Battery Mode	90%	
Transfer Time	Normal Mode (max.)	12ms	
	Generator Mode (max.)	25ms	
Waveform		Pure sinewave	



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Model	E001AUOR21	E002AUOR21
Battery		
Nominal DC Voltage	48VDC	
Low DC Warning Voltage	46VDC ± 0.4VDC @ no load	
Battery Type	AGM	
Charging Current	2A/4A/6A/8A/10A (Adjustable)	
Indicators		
Bypass Mode	Green LED on	
Battery Mode	Green LED flashing	
No Output	Green LED off	
Warning with Output	Yellow LED on	
Fault without Output	Red LED on	
Management		
Communication	RS-232/USB and optional SNMP	
Dry Contact Rating	3A @ 250VAC	
Physical		
Dimension, Dx W x H (mm)	240 x 400 x 133	
Net Weight (kgs)	13	
Type of Mechanical Protection	IP20	
Environment		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-40°C to 70°C	-40°C to 70°C
Noise Level	< 48dB	
Compliance		
EMI Compliance	Class A FCC/CISPR [EN50091-2: 1995]	
Surge Protection	IEEE/ANSI C.62.41 & 2KV, L-N	