

Astra Lite Modular 10 ~ 40KVA, Online Modular UPS

Reference Standard Safety - UL1778, CSA C22.2 No. 107.3-05, EMC - FCC Part 15, Subpart B Class A



Features

- Rich LCD Display
- Rack Independent
- Unity Power Factor
- True Double Conversion
- Low THDi to reduce power system pollution
- Network Manageable
- Generator Compatible

Additional Features

- Adjustable charging current
- Adjustable Battery Numbers
- Parallel operation with common battery
- Modular Connector Box with hot-swappable design for ease of power expansion, installation and maintenance

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Technical Specifications

Model	E010APM33-GY	E010APM31-GY	E010APM11-GY
Phase	3 Phase in / 3 Phase out	3 Phase in / 1 Phase out	1 Phase in / 1 Phase out
Capacity	10000 VA / 10000 W	10000 VA / 10000 W	10000 VA / 10000 W
Parallel Capability	10	10	10

Input

Nominal Voltage	3 x 360VAC/380VAC/400VAC/415VAC (3Ph+N+PE)	208VAC/220VAC/230VAC /240VAC(1Ph+N+PE)
Voltage Range	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load	110-300 VAC @ 50% load 176-276 VAC @ 100% load
Frequency Range	40Hz ~70Hz	
Power Factor	>= 0.99 @ 100% Load	
Harmonic Distortion (THDi)	< 4% @ full linear load	

Output

Output Voltage		360VAC/380VAC/400VAC /415VAC(3Ph+N)	208*/220/230/240VAC(L+N)	208*/220/230/240VAC(L+N)
AC Voltage Regulation (Batt. Mode)		± 1%		
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio		3:1 (max.)		
Harmonic Distortion		<= 2 % THD (Linear Load) ; <= 3 % THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)		Pure Sinewave		

Efficiency

AC Mode		94%	94%	93.5%
ECO Mode		97%	97%	97%
Battery Mode	At Full Load	93%	92.5%	92%
	Peak	93.5%	93%	92.5%

Indicators

LCD/LED Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions
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Technical Specifications

Model	E010APM33-GY	E010APM31-GY	E010APM11-GY
Battery/Charger			
Battery Voltage	± 12V / 9 Ah		
Battery Numbers	16 ~ 20 pcs (adjustable) x 2	16 ~ 20 pcs (adjustable) x 2	16 ~ 20 pcs (adjustable) x 2
Nominal Voltage	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)
Maximum Voltage	+/- 240V (12V x 40 pcs)	+/- 240V (12V x 40 pcs)	+/- 240V (12V x 40 pcs)
Minimum Voltage	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)	+/-192V (12V x 32 pcs)
Charging Voltage	± 218V	± 218V	± 218V
Typical Recharging Time	9 hours recover to 90% capacity		
Charging Current	+/- 4A		
Physical			
Dimension, D X W X H (mm)	678 X 418 X 129 [3U]		
Net Weight (kgs)	20.5		
Environment			
Operation Humidity	0-95 % RH @ 0- 40°C (non-condensing)		
Noise Level	Less than 55dB @ 1 Meter	Less than 55dB @ 1 Meter	Less than 55dB @ 1 Meter
Management			
Smart USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC		
Optional SNMP	Power management from SNMP manager and web browser		

