

Aurora AUP-1010-RS Uninterruptible Power Supply

- ▶ Rack design
- ▶ Online double conversion with full digital control
- ▶ Smart charger design for optimized battery performance
- ▶ Maximum charging current can be expanded to 12A (Long run unit)
- ▶ Emergency power off function (EPO)
- ▶ ECO mode operation for energy saving
- ▶ Generator compatible
- ▶ Hot-Swappable battery design
- ▶ Intelligent fan speed regulation
- ▶ Versatile LCD human-computer interface



SPECIFICATIONS

Input: Output

- 1-in: 1-out

Rated Capacity

- 10kVA / 10kW

Rated Voltage

- 200/208/220/230(Default)/240Vac

Input Power Factor

- >0.99

Input Voltage Range

- 110-300Vac(110-176Vac @ 50% load / 176-300Vac @ 100% load)

Harmonic Distortion(THDi)

- < 3%

Input Frequency Range

- 40-70Hz

Input Connection

- Terminal (L+N+G)

MAINS INPUT

Battery Number

- N / A

Charging Current

- 14A

Nominal DC Voltage

- ±96/108/120Vdc
- 16 pcs default
- ≤9Ah or 20 pcs no power derating
- 9Ah and 18 pcs output power factor 0.9
- 9Ah and 16 pcs output power factor 0.8

Hot Swappable

- Included

Ext. Battery Connector

- Included

BATTERY

LCD Display

- Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time

LED Display

- Line mode, Battery mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault

INDICATORS

OUTPUT

Rated Voltage

- 200/208/220/230(Default)/240Vac

Rated Frequency

- 50/60Hz ± 10% (Line mode);
- 50/60Hz (default) ±0.1% (Battery mode)

Output Power Factor

- 1.0

Waveform

- Pure Sinewave

Harmonic Distortion (THDv)

- ≤1% Linear load, ≤3% Nonlinear load

Overload Conditions for Online

- 105%~110%: UPS to bypass after 60 min when the utility is normal,
- 110%~125%: UPS to bypass after 10 min when the utility is normal,
- 125%~150%: UPS to bypass after 1 min when the utility is normal,
- >150%: UPS to bypass after 0.2 sec when the utility is normal

Overload Conditions for Battery

- 105%~110%: UPS after 10 min shut down,
- 110%~125%: UPS after 1 min shut down,
- 125%~150%: UPS after 10 sec shut down,
- >150%: UPS after 0.2 sec shut down

Overload Conditions for Bypass

- 105%~130%: Only Overload alarm,
- 130%~150%: UPS after 10 min shut down,
- 150%~200%: UPS after 1 min shut down,
- >200%: after 0.2 second shut down

Transfer Time

- AC <-> Battery : 0ms , Inverter <-> Bypass : 0ms

Voltage Regulation

- ±1%

Output Voltage Regulation (Dynamic)

- ±5%

Online Efficiency (up to)

- 95/5%

Economy Mode Efficiency

- 98%

Current Crest

- 3:1

ENVIRONMENT

Operating Conditions

- 0°C~40°C (42°F~104°F)40°C~50°C derating to 80% load

Storage Conditions

- -25°C~55°C (-13°F~131°F) without batteries

Relative Humidity

- 0~95%RH (Noncondensing)

Operating Altitude

- 0~1000 meters Normally operate;
- 1000~3000 meters Derating

Protection Class

- IP20

Audible Noise

- ≤50dB @ 1 Meter

OTHERS

Dimensions (L * W * H)

- 440 * 671.5 * 131 mm

Weight

- 26 Kg

Communications

- RS232 (USB/EPO/Dry contact / SNMP card)

Cooling

- Fan cooled

Certifications

- Safety : CB: IEC 62040-1:2017, CE-LVD: EN 62040-1:2008+A1:2013
- EMC : IEC 62040-2-2016, EN 62040-2-2018 C2

Protection Function

- Short-circuit, Overload, Overheat, Battery, Overcharge and Overdischarge, Output low Voltage and Fan fault alarm

Topology

- Double Conversion On-Line

Warranty

- Aurora 2-year warranty, Check www.Auroratec.ca/warranty