

ADVICE ON 6-10KVA RM UPS

Features:

- True On Line double-conversion
- DSP technology guarantees high performance
- Output Power Factor 1
- Wide input voltage range (110-300 VAC)-load depending
- Optional SNMP / Dry contact
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- ECO mode for energy saving
- Generator compatible
- USB/RS-232 communications
- Active input power factor correction 0.99
- Optional N+X parallel redundancy
- **2 years warranty**



Specifications

| Model | AON6KRM-2 | | AON10KRM-2 | | |
|--------------------------------------|---|--|--|--|--|
| PHASE | 1 phase in / 1 phase out | | | | |
| CAPACITY | 6000 VA / 6000 W | | 10000 VA / 10000 W | | |
| INPUT | | | | | |
| Nominal Voltage | 208/220/230/240 VAC | | | | |
| Voltage Range | 110~300VAC ± 3 % at 50% load 176~300VAC ± 3 % at 100% load | | | | |
| Frequency Range | 46~54 Hz @ 50Hz / 56~64 Hz @ 60Hz | | | | |
| Phase | Single phase with ground | | | | |
| Power Factor | ≥ 0.99 @ full load | | | | |
| THDi | <4% @100% Load, <6% @50% Load | | | | |
| OUTPUT | | | | | |
| Output Voltage | 208*/220/230/240 VAC | | 208*/220/230/240 VAC | | |
| AC Voltage Regulation (Batt. Mode) | ± 1% | | | | |
| Frequency Range (Synchronized Range) | 46~54 Hz @ 50 Hz / 56~64 Hz @ 60 Hz | | | | |
| Frequency Range (Batt. Mode) | 50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz | | | | |
| Current Crest Ratio | 3:1 (max.) | | | | |
| Harmonic Distortion | ≤1% THD (Linear Load), ≤ 4 % THD (Non-linear Load) | | ≤1% THD (Linear Load), ≤ 4 % THD (Non-linear Load) | | |
| Transfer Time | AC Mode to Batt. Mode | Zero | | | |
| | Inverter to Bypass | Zero | | | |
| Waveform (Batt. Mode) | Pure Sinewave | | | | |
| Overload | AC Mode | 100%~110%: 10min, 110%~130%: 1min, >130%: 1sec | | | |
| | Battery Mode | 100%~110%: 30sec, 110%~130%: 10sec, >130%: 1sec | | | |
| EFFICIENCY | | | | | |
| AC Mode | 94% | | | | |
| ECO Mode | 98.5% | | | | |
| Battery Mode | 92% | | | | |
| BATTERY | | | | | |
| Standard Model | Battery Type | 12 V / 7 AH | | 12 V / 9 AH | |
| | Numbers | 16 | | | |
| | Typical Recharge Time | 9 hours recover to 90% capacity | | | |
| | Charging Current (max.) | 1.0 A | | | |
| Long-run Model | Charging Voltage | 218.4 VDC ± 1% | | | |
| | Battery Type | Depending on applications | | | |
| | Numbers | 16-20** | | | |
| | Charging Current (max.) | 4.0 A | | | |
| Long-run Model | Charging Voltage | (13.65VDC x battery number) ± 1% | | | |
| | PHYSICAL | | | | |
| Standard Model | Dimension, D X W X H (mm) | UPS Unit: 610x38x88 [2U] Battery Pack:715x438x88 [2U] | | UPS Unit: 610x438x88 [2U] Battery Pack: 715x438x88 [2U] | |
| | Net Weight (kgs) | UPS Unit: 17 Battery Pack: 48 | | UPS Unit: 20 Battery Pack: 53 | |
| Long-run Model | Dimension, D X W X H (mm) | 610 x 438 x 88 [2U] | | 610 x 438 x 88 [2U] | |
| | Net Weight (kgs) | 17 | | 20 | |
| ENVIRONMENT | | | | | |
| Operation Humidity | 20-90 % RH @ 0- 40°C (non-condensing) | | | | |
| Noise Level | Less than 55dBa @ 1 Meter | | Less than 58dB @ 1 Meter | | |
| MANAGEMENT | | | | | |
| Smart RS-232/USB | Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC | | | | |
| Optional SNMP | Power management from SNMP manager and web browser | | | | |

Product specifications are subject to change without further notice

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.**When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9

***If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.