

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



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 $\pm 3\%$ at 50% load 176~300VAC $\pm 3\%$ at 100% load				
Frequency Range	46~54 Hz \odot 50Hz / 56~64 Hz \odot 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)	$\pm 1\%$				
Frequency Range (Synchronized Range)	46~54 Hz \odot 50 Hz / 56~64 Hz \odot 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	$\leq 1\%$ THD (Linear Load), $\leq 4\%$ THD (Non-linear Load)		$\leq 1\%$ THD (Linear Load), $\leq 4\%$ 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 $\pm 1\%$			
	Battery Type	Depending on applications			
	Numbers	16-20**			
	Charging Current (max.)	4.0 A			
Long-run Model	Charging Voltage	(13.65VDC x battery number) $\pm 1\%$			
	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.