

ONLINE UPS 5-10KVA(1:1)



ROTABLE LCD PANEL



AVO RM 1000 SERIES

APPLICATION

**Computer/Server/Data
Centre
Railway Track/Signal
Circuit**

FEATURES

- Online-Double conversion
- Non Transfer Time of output
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- ECO function
- Charging/Rectifier/Inverterfully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 120~276Vac
- Wide input frequency range: 45~55Hz/54~66Hz±0.5Hz
- Self-testing when UPS startup
- Input over/under-voltage protection
- Automatic bypass
- DC start
- Communication port: RS232 , USB Options: SNMP card / Relay card
- Rack Mountable
- SURGE ENERGY RATING 450 JOULES

Technical Specifications:

MODEL	RM6KVA	RM10KVA
Capacity (VA/Watts)	5k / 4.5k	10k / 9k
INPUT		
Nominal voltage	220/230/240Vac(L+N+PE)	
Operating voltage range	100-285Vac	
Operating frequency range	40-70 Hz	
Power factor	≥0.99	
Bypass voltage range	220V: +25%(optional +10%,+15%,+20%) 230: +20% (optional +10%,+15%) 240: +15% (optional +10%) Min. voltage: -45% (optional -20%,-30%)	
ECO range	Same as bypass	
Harmonic distortion (THDi)	≤3%(100% linear load)	
Generator input	Support	
OUTPUT		
Output voltage	220/230/240Vac	
Power factor	0.9	
Voltage regulation	±2%	
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)
	Bat. Mode	50/60 (±0.1)Hz
Crest factor	3:1	
Harmonic distortion (THDv)	≤2% with linear load ≤5% with non linear load	
Waveform	Pure Sinewave	
Efficiency	>93.5%	
BATTERY		
Battery voltage	Optional Voltage: ± 96/ ± 108/ ± 120Vdc	
Typical recharge time	6-8 hours (to 90% of full capacity)	
Charge current	Maximum Current 6A; charge current can be set according to battery capacity installed.	
SYSTEM FEATURES		
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms	
Overload	Line Mode	Load≤110%: Cont. ; ≤125%: last 10min; ≤150%: last 1S; >150% turn to bypass mode
	Bypass Mode	40A(Input breaker) 60A(Input breaker)
Short Circuit	Hold Whole System	
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately	
Low battery voltage	Alarm and Switch off	
Self-diagnostics	Upon Power On and Software Control	
EPO (optional)	Shut down UPS immediately	
Battery	Advanced Battery Management	
Noise Suppression	Complies with EN62040-2	
Audible & Visual alarms	Line Failure, Battery Low, Overload, System Fault	
Status LED & LCD display	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault	
Reading on the LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time	
Communication interface	USB,RS232, Parallel Port, SNMPcard/Relay card (optional)	
ENVIRONMENTAL		
Operating temperature	0-40°C	
Storage temperature	-25-55°C	
Humidity range	0-95% (non condensing)	
Altitude	<1500m	
Noise level	<55dB	
PHYSICAL		
Dimension W×H×D (mm)	443×131×580(3U)	
Net Weight (kg)	23	25
STANDARDS		
Safety	IEC/EN62040-1,IEC/EN60950-1	
Protection	INPUT OVER VOLTAGE PROTECTION, INPUT UNDER VOLTAGE PROTECTION, OVER VOLTAGE CUT OFF, SHORT CIRCUIT PROTECTION, OVER TEMPERATURE, LOW BATTERY & BATTERY OVER CHARGE PROTECTION SHOULD BE PROVIDED. BUILT IN BYPASS SWITCH	

- All specifications are subject to change without prior notice.
- Custom-made specifications are acceptable.