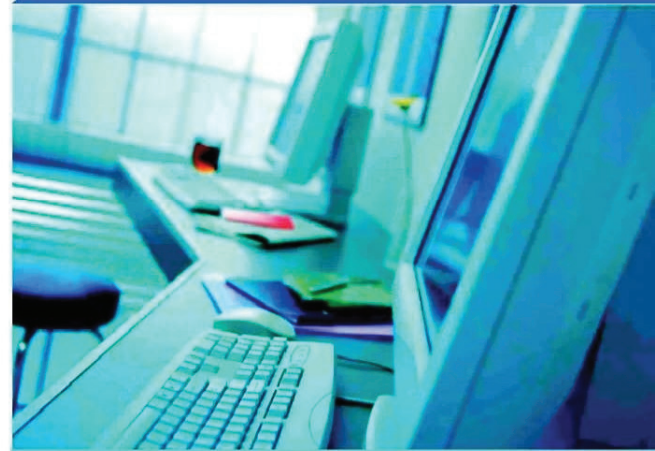# ONLINE UPS
1-3KVA(1/1)

AVOHM SERIES

Application:
Computer/critical servers/data center/hub & other network device/LAN/WAN.

FEATURES

- Rack/Tower Convertible Design
- Patented Mimic LCD Display May be Rotated by Simply Pushing Front Button
- True Online Double Conversion
- High Output Power Factor at 0.9PF
- Charger/Fan Status on the LCD Display
- Green Concept Design with Superior Input Voltage Window for Energy Saving
- Hot-Swappable Battery
- 3-level intelligent Charging Method

- Efficiency up to 90%
- Estimated Remaining Time displayed on the LCD
- Support Economic(ECO) Operation Mode
- Matching Battery Pack
- Optional Powerful Charger
- Cold Start
- Power Shedding May Turn Off Uncritical Load in Battery Backup
- Emergency Power Off
- Frequency Converter Mode Is Settable

TECHNICAL SPECIFICATIONS

Model	HM301	HM301.5	HM302	HM303
Capacity (VA/W)	1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W
Input — Phase	Single phase & Ground			
Rated Voltage	100/110/115/120/127VAC			
Voltage Range	55-145VAC			
Frequency Range	45Hz-65Hz(auto-detect)			
Power Factor	≥0.98			
Current THDi	<7% at 100% non-linear load			
Bypass Voltage Range	Max.voltage: +15%(optional +5%、 +10%、 +25%) Min. voltage: -45% (optional -20%、 -30%) Frequency protection range: ±10%			
ECO Range	same as the bypass			
Generator Input	Support			
Output — Phase	Single phase & Ground			
Rated Voltage	100/110/115/120/127VAC			
Power Factor	0.9			
Voltage Regulation	±2%			
Frequency — Utility Mode	50Hz or 60Hz(Synchronized to Mains)			
Frequency — Battery Mode	50/60Hz±0.02Hz			
Crest Factor	3:1			
THD	≤3% with linear load ≤5% with non linear load			
Waveform	Pure Sinewave			
Efficiency — AC Mode(full load)	up to 90%			
Battery Mode(full load)	>85%			
ECO Mode(full load)	>94%			
Battery — Voltage	24Vdc	36Vdc	48Vdc	72Vdc
Capacity(standard unit)	12V/9AH			
Backup Time	Full load>=5 minutes; 50% load>=13 minutes			
Recharge time to 90%	5 hours			
Charging Current	1.4A			
Battery Socket	Anderson like PowerPole Modular Connectors			
Transfer Time	Utility to Battery : 0ms; Utility to bypass< 4ms			
Protection — Overload AC Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely			
Overload Bat. Mode	Load <100%~150%: 30S; Load > 150%: 300ms then shut down UPS completely			
Overload Bypass Mode	Load > 130%: 60S then shut down output			
Short Circuit	Hold Whole System			
Overheat	Line Mode: Switch to Bypass; Battery Mode: shut down UPS immediately			
Battery Low	Alarm and Switch off			
Self-diagnostics	Upon Power On and Software Control			
EPO	Shut down UPS immediately			
Battery	Advanced Battery Management			
Noise Suppression	Complies with EN62040-2			
Alarms — Audible & Visual	Line Failure, Battery Low, Overload, System Fault			
Display — Status LED & LCD	Load/Battery/Input/Output/Operating Mode Information			
Reading On the LCD	Load/Battery/Input/Output/Operating Mode Information			
Physical — Dimension(WxHxD)mm	440x86.5x430 (2U)	440x86.5x430 (2U)	440x86.5x572 (2U)	440x86.5x696 (2U)
Weight (Kg)	15.1	18.1	22.2	25.5
External Battery Connection	Anderson like PowerPole Modular Connectors			
Communication Interface — Smart RS232/USB Port	Supports Windows Family, Linux, FreeDSB, etc.			
Communication Slot	SNMP Card (independent to RS232)			
RJ45	Built-in Power Surge, Lightning Protection Device			
Environment — Operating Temperature	0℃～40℃			
Storage Temperature	-25℃～+55℃			
Humidity	0～90% non condensing			
Altitude	< 1500m.(derating while > 1500m)			
Noise	<50dB(at 1 meter)			