

ONLINE UPS 6-10KVA (3/1;1/1)



AVO HM SERIES

Application:

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

FEATURES

- Rack/Tower Convertible
- Flexible System Configuration
- Graphic LCD Display with Multifunction Parameter Settings
- Hot Swappable Battery
- N+X Parallel Redundancy
- Online Double Conversion with DSP Control
- High Output Power Factor at 0.9PF
- Low Input Current Distortion
- Green Concept design with Superior Input Voltage Window for Energy Saving
- Efficiency up to 93.5%
- Estimated Remaining Time displayed on the LCD
- Support Economic(ECO) Operation Mode
- Settable Battery Voltage
- Temperature-controlled Fan
- Matching Battery Pack with Powerful Charger Built-in
- Common Battery When UPS in Parallel Mode
- Versatile Communication Interfaces Available
- Cold Start
- Communication Software
- Optional Centralized monitor function
- Settable Charge Current
- Optional Frequency Converter Mode Supported

TECHNICAL SPECIFICATIONS

Model		HM1006	HM1010	
Capacity (VA/W)		6KVA/5.4KW	10KVA/9KW	
Input	Phase	1 Phase 2 Wires + Ground or 3 Phase 4 Wires+ Ground		
	Rated Voltage	380/400/415Vac or 220/230/240VAC		
	Voltage Range	208~478Vac or 120VAC-276VAC		
	Frequency Range	45Hz-55Hz / 55Hz-66Hz		
	Power Factor	≥0.99		
	Current THDi	≤3%(100% linear load) ≤5%(100% non-linear load)		
	Bypass Voltage Range	220Vac Max. : 10%, 15%, 20% or 25%, default : 25% 230Vac Max. : 10%, 15% or 20%, default : 20% 240Vac Max. : 10% or 15%, default : 15% Min. : 20%, 30% or 45%, default : 45%		
	ECO Range	same as the bypass		
	Generator Input	Support		
	Output	Phase	1Phase 2 Wires + Ground	
Rated Voltage		220/230/240VAC		
Power Factor		0.9		
Voltage Regulation		±1%		
Frequency		Utility Mode	±1%、±2%、±4%、±5%、±10% of the rated frequency(optional)	
		Battery Mode	(50±0.1%) Hz	
Crest Factor		3:1		
THD		≤2% with linear load		
		≤5% with non linear load		
Waveform		Pure Sinewave		
Battery	Voltage	Standard: 192Vdc; Optional Voltage: 216/240Vdc		
	Backup Time	Full load ≥2min(Standard), Long time unit depends on the capacity of external batteries Estimated remaining time displayed on the LCD		
	Recharge time to 90%	8~10 hours (Standard)		
	Charging Current	Maximum Current 10A; charge current can be set according to battery capacity installed.		
	Battery Socket	Anderson like PowerPole Modular Connectors		
Transfer Time		Utility to Battery : 0ms; Utility to bypass: 0ms		
Protection	Overload	AC Mode	Load 105%~110%: 1H · 110%~125%:10 mins · 125%~150%: 1 min · ≥150%: 200 ms, then transfer to bypass	
		Bat. Mode	Load 105%~110%: 1H. 110%~125%:10 mins. 125%~150%: 1 min . ≥150%: 200 ms, then shut down UPS immediately	
		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		
	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 EN60664-1		
Alarms	Audible & Visual Line Failure, Battery Low, Overload, System Fault			
Display	Status LED & LCD	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault		
	Reading On the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time		
Physical	Input Connection	Hardwire		
	Output Connection	Hardwire & IEC320-C13-10A x 2		
	External Battery Connection	Anderson like PowerPole Modular Connectors		
Communication Interface		USB , Dry Contact, Parallel, Communication Solt		
Environment	Operating Temperature	0℃~40℃		
	Storage Temperature	-25℃~+55℃		
	Humidity	0~95% non condensing		
	Altitude	< 1500m		
	Noise	<55dB(at 1 meter)		
Safety Conformance		CE,EN/IEC 62040-2,EN/IEC 62040-1-1		

UPS MODULE				
Model Name	Input/Output Phase	Efficiency	Dimension(WxHxD)mm	Weight (Kg)
RTII 6K/1P	1P/1P	92.0%	443x131(3U)x580	23
RTII 10K/1P			443x131(3U)x580	25
RTII 6K/3P	3P/1P	93.5%	443x131(3U)x580	28
RTII 10K/3P			443x131(3U)x580	30

BATTERY BANK			
Model	RTII-BR20007	RTII-BR20009	
Bat.Type	7AH	9AH	
Max.Quantity	20	20	
Other	Unit Dimensions WxHxD (mm)	443x131(3U)x580	
	Weight (Kg)	58	67