

Amberwave MS III RT

HIGHEST ACTIVE POWER
FOR A RACK MOUNT UPS

6000VA ~ 10000VA



Perfect for



IT & Servers



Telecom



Critical loads



Healthcare



Industry

Features

- kW = kVA – More available power than any other UPS of the same category
- Convertible rack/tower with rotating display
- Compact version with batteries included
- High efficiency also in online mode
- 4 units parallel, 3+1 redundancy possibility with parallel kit
- Generator compatibility to guarantee efficient functioning
- Extremely wide input voltage range, to reduce battery cycling and increase battery lifetime
- Flexible battery configuration to best adapt to your needs
- Precise patented back-up time estimation
- Multiple operation modes to maximize energy efficiency
- Flash upgradable firmware for updates and customization
- Manual extra service check
- USB, communications slot, EPO/ROO

Options

- USB card, RS485 card, dry contact relay card, SNMP/web card
- Extra RS232 card
- External battery cabinet
- External bypass switch
- Different outlets
- LED interface

Specification

Model		MSIII6000 RT	MSIII6000C	MSIII10000 RT	
Inputs	Phase		Single Phase		
	Voltage Range*		110-280VAC		
	Frequency Range		45~70Hz		
	Current Distortion		<3%		
	Power Factor		Up to 0.99 @ 100% linear mode		
Output	Voltage (without transformer)		220/208/220/230/240 Vac, settable		
	Capacity	6000VA/6000W	6000VA/6000W	10000VA/10000W	
	Power Factor**		1		
	Voltage Distortion		≤2% @100% load ≤7% @100% non-linear load		
	Output Voltage Regulation	without transformer with transformer	±1% ±3%		
	Frequency Range		±1Hz or ±3Hz (Selectable)		
	Crest Factor		3:1		
	Output Waveform		Pure Sinewave		
Efficiency	Online Mode		Up to 94%		
	ECO Mode		Up to 98%		
Physical	Dimensions (W x H x D, mm)	440x88x685	440x176x685	440x132x685	
	Net Weight (kg)	18.5	60	21.5	
Battery	Number	16/18/20 (12/14 optional)		16/18/20	
	Type	VRLA, Sealed maintenance free lead acid			
	Recharge Time (to 90%)	4 hours			
	Charger (16/18/20 model)	2-step (CC-CV), 1.7A (max.)			
	Internal batteries	-	20x 5Ah	-	
	Autonomy time at 100% (min)	-	4	-	
	Autonomy time at 70% (min)	-	6	-	
	Battery Bank	Code	C20X3U00	-	C20X3U00
		Max quantities	20		
		Dimension (WxHxD, mm)	440x132x685	440x88x685	440x132x685
Empty Battery Bank	Code	BC060000-0000	BC120000-0000		
	Max. Quantities	6	12		
	Dimensions (WxHxD, mm)	440x88x430	440x88x581		
Display	Status on LED + LCD	Line mode, backup mode, ECO mode, bypass supply, battery low, battery bad/disconnect, overload UPS fault			
	Readings on LCD	Input voltage, input frequency, output voltage, output current, output frequency, load percentage, battery voltage, inner temperature, backup time estimation			
Alarm	Self-Diagnostics	Upon power-on, manual control by panel & communication, self routine check			
Protection	Audible or Visual	Line failure/Battery low/Transfer to bypass/System fault			
	Full Protection	Overload, Over temperature, short circuit, overcharge			
Functions	Multi-Mode	Normal/ECO/Frequency converter			
	DC start	Yes			
	Parallel capacity	Up to 4 units			
Environment	Parallel redundancy	3+1			
	Operation Temperature	0~40°C			
	Operation Humidity	0%~90% (without condensing)			
	Altitude	1000m without derating			
Interface	Noise Level	≤60dBA @ 1 meter			
	Standard	USB, EPO/ROO			
	Option	RS232, RS485, Dry contact card, SNMP/WEB card, 2nd RS232 card			
Standards and Certifications	Compatible platforms	Microsoft Windows series, Linux, Mac			
	Safety & EMC	IEC EN 62040-1, IEC EN 62040-2			
	Performance	IEC EN 62040-3			
	Marks	CE			

* Based on load percentage.

** Depending on number of battery.

