

# Amberwave MS III Tower

MORE POWER, EFFICIENCY AND REDUNDANCY

6000VA ~ 10000VA



## Perfect for



IT & Servers



Telecom



Critical loads



Healthcare



Industry



VOIP

## Features

- kW = kVA - More available power than any other UPS of the same category
- 4 units parallel, 3+1 redundancy possibility with parallel kit
- Generator compatibility to guarantee efficient functioning
- Dual input
- Flexible battery configuration to best adapt to your needs
- Precise back-up time estimation
- Multiple operation modes to maximize energy efficiency
- Flash upgradable firmware for updates and customization
- Hot swap batteries
- Remote EPO and On/Off functions
- USB, communications slot
- Manually activated extra service check

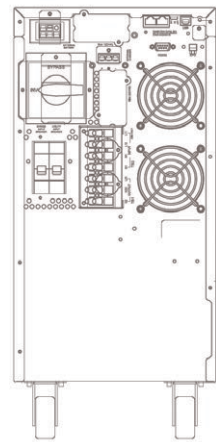
## Options

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

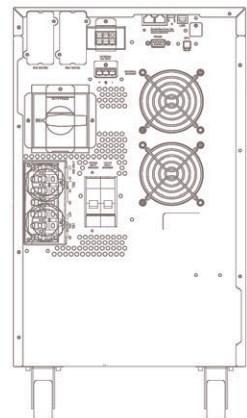
# Specification

Model		MSIII 6000	MSIII 10000
<b>Inputs</b>	Phase	Single Phase	
	Voltage Range*	110~280Vac	
	Frequency Range	45~70Hz	
	Input Current Distortion	3%	
	Input Power Factor	Up to 0.99 @ Linear load	
	Capacity	6000VA/6000W	10000VA/10000W
<b>Output</b>	Voltage	without transformer with transformer	220/208/220/230/240 Vac, settable 120/208 or 110/220 or 115/230 or 120/240 Vac
	Output Power Factor **	1	
<b>Efficiency</b>	Output Voltage Distortion	≤2% @ 100% Linear load ≤7% @ 100% Non-Linear load	
	Output Voltage without transformer	±1%	
	Regulation with transformer	±3%	
	Frequency Range	±1Hz or ±3Hz (selectable)	
	Crest Factor	3:1	
	Output Waveform	Pure SineWave	
<b>Physical</b>	Online Mode	Up to 94%	
	ECO Mode	98%	
<b>Battery</b>	Dimensions (WxHxD, mm)	240x513x700	288x513x700
	Net Weight (kg)	78	93
	Dimensions (WxHxD, mm)	240x661x700	288x661x700
	Net Weight (kg)	121	135
<b>Display</b>	Number	16/18/20 (12/14 optional)	16/18/20
	Autonomy time at 100% with internal batteries (min)	Up to 8	Up to 4
	Autonomy time at 70% with internal batteries (min)	Up to 12	Up to 6
	Type	VRLA, Sealed maintenance free lead acid	
	Recharge Time (to 90%)	4hours	
	Charger	2-step (CC-CV), 1.7A (max.)	
	Code	BT6024037	
	Max battery n°/string	20	
<b>Alarm</b>	Max battery quantities	60	
	Dimensions (WxHxD, mm)	288x661x663	
<b>Function</b>	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	
	Self-Diagnostics	Upon power-on, manual control by panel & communication, self routine check	
<b>Protection</b>	Audible or visual	Line failure/Battery low/Transfer to bypass/System fault	
	Full Protection	Overload, over temperature, short circuit, overcharge	
<b>Environmental</b>	Multi-mode	Normal/ ECO/ Frequency converter	
	DC start	Yes	
	Parallel capacity	Up to 4 units (optional)	
	Parallel redundancy	3+1 (optional)	
<b>Interface</b>	Operation Temperature	0~40°C	
	Operation Humidity	0%~90% (without condensing)	
	Altitude	1000m without derating	
<b>Standards and Certifications</b>	Noise Level	≤60dBA @ 1 meter	
	Standard	USB, EPO/ROO, Comm. Slot	
	Option	RS232, RS485, Dry contact card, SNMP/Web card, RS232 card	
<b>Standards and Certifications</b>	Compatible platforms	Microsoft Windows series, Linux, Mac	
	Safety & EMC	IEC EN 62040-1, IEC EN 62040-2	
	Performance	IEC EN 62040-3	
<b>Standards and Certifications</b>	Marks	CE/TUV	

AMB MSIII 6000



AMB MSIII 10000



\* Depending on load percentage: 176-280VAC, without derating; 160-176VAC, derating to 75% load, 110-160VAC, derating to 50% load  
 \*\* Depending on battery number