# Amberwave MS II 1/1 MINITOWER - 3/1TOWER SERIES COST EFFECTIVE PROTECTION

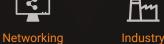


#### Perfect for









IT & Servers

Commercial

### Features

- Online protection with 0.9 power factor
- LCD display
- Multiple operation modes to maximize energy efficiency
- Parallelable up to 4 units
- RS232 and USB connection
- Cold start
- Generator compatibility
- Simplified installation
- Remote EPO function

### **Options**

- Communication slot for MT
- Isolation transformer
- External manual bypass
- · RS232, RS485, dry contact relay card, SNMP/web card

## Specification

Model			MSII 6000MT	MSII 10000MT	MSII 10000 3/1	MSII 20000 3/1
	Voltage*		160~280Vac (1phase)		277~485Vac (3phase)	
Inputs	Frequency		45~65Hz			
	Phase		Single Phase Three Phase + Neutral			
	Power Factor		Up to 0.99			
Output	Voltage		200/208/220/230/240 Vac Selectable			
	Capacity		5400W	9000W	9000W	18000W
	Frequency (Battery Mode)		±1Hz or ±3Hz (selectable)			
	Current crest ratio		3:1			
	Harmonic distortion		<3% at Linear Load			
	Output waveform		Pure SineWave			
	DC start		Yes			
	Online Mode		Up to 91%			
Efficiency	ECO Mode		Up to 98%			
	Dimensions		· .			
Physical	(W x H x D, mm)		220x508x630		290x748x645	
	Net Weight (kg)		71.5	74.5	101	60
Battery	Number			20pcs (internal)		No internal battery
	Autonomy time at 100%		5	5	5	
	with internal batteries (min)		ე	ა	ა	<u>-</u>
	Autonomy time at 70%		9	8	8	-
	with internal batteries (min)					
	Туре		Sealed maintenance free lead acid			
	Capacity		12V/7Ah 12V/9Ah			
	Rated Battery Voltage		240Vdc			
	Recharge Time (to 90%)		4-6 hours			
	Battery Bank	Code	BCC40J0000	BCC40N0000	T60N00-0000	T60V00-0000
		Max quantities	40 60			
		Dimension	220x508x630		290x748x631	
		(WxHxD, mm)				
Display	Status on LED + LCD		Line mode, backup mode, ECO mode, bypass supply, battery low, battery fault, overload, UPS fault			
			Input voltage, input frequency, output voltage, output frequency,			
	Readings on LCD		load percentage, load current, battery voltage, inner temperature			
	Self-Diagnostics		Upon power-on, front panel setting & software control, 24-hour routine checking			
Alarm	Audible or Visual		Line failure/Battery low/Transfer to bypass/System fault			
Protection	Full Protection		Overload, over temperature, short circuit, overcharge			
Environment	Operation Temperature		0~40°C			
	Operation Humidity		0%~90% (without condensing)			
	Altitude		1000m without derating			
	Noise Level		<50dBA @ 1 meter			<60dBA @ 1 meter
Interface	Standard		RS232, USB, EPO		RS232, USB, EPO, comm. slot	
	Option			d RS232, RS485,		32, RS485,
			contact card, SNMP/Web card contact card, SNMP/Web card			
	Compatible platforms		Microsoft Windows series, Linux, Mac			
Standards and Certifications	Safety & EMC		IEC EN 62040-1-1, IEC EN 62040-2			
	Performance		IEC EN 62040-3			
	Marks		CE			

<sup>\*</sup> Based on load percentage.

