

# MARS II

## 1/1 minitower - 3/1 tower

STANDARD COST EFFECTIVE  
PROTECTION FOR IT LOADS

6000VA ~ 20000VA

With its field proven technology, Mars II is the cost effective solution for the majority of IT applications. Its Mini Tower version, with batteries included, guarantees installation simplicity.



### PERFECT FOR:



IT loads & servers



Commercial



Networking



Industry

### FEATURES



- Online protection with 0.9 power factor
- LCD display, the same User Interface as of all the RT range for greater ease of use
- Multiple operation modes to maximize energy efficiency
- Parallelable up to 4 units, for enhanced redundancy with parallel kit\*
- RS232 and USB connection
- Coordinated external battery cabinets
- Cold start, to turn on the load in battery mode
- Generator compatibility thanks to low input distortion\*
- Manually activated extra service check
- Simplified installation: a UPS with internal batteries can connect to external battery cabinets
- Remote EPO function

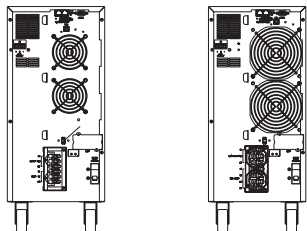
\* Depending on models

### OPTIONS



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

# SPECIFICATIONS

MODEL		MSII 6000MT	MSII 10000MT	MSII 10000 3/1	MSII 15000 3/1	MSII 20000 3/1	
INPUT	Voltage*	160~280Vac (1phase)			277~485Vac (3phase)		
	Frequency	45~65Hz					
	Phase	Single Phase			Three Phase + Neutral		
	Power Factor	Up to 0.99					
OUTPUT	Voltage	200/208/220/230/240 Vac Selectable (208/120Vac optional)					
	Capacity	5400W	9000W	9000W	13500W	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					
EFFICIENCY	Online Mode	Up to 91%					
	ECO Mode	Up to 98%					
PHYSICAL	Dimensions (WxHxD, mm)	220x508x630			290x748x645		
	Net Weight (kg)	71.5	74.5	101	60		
BATTERY	Number	20pcs (internal)			No internal battery		
	Type	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 (WxHxD, mm)		220x508x630			290x748x631		
DISPLAY	Status on LED + LCD	Line mode, backup mode, ECO mode, bypass supply, battery low, battery fault, overload, UPS fault					
	Readings on LCD	Input voltage, input frequency, output voltage, output frequency, 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		
	Options	Comm. slot, 2nd RS232, RS485, contact card, SNMP/Web card			2nd RS232, RS485, contact card, SNMP/Web card		
	Compatible platforms	Microsoft Windows series, Linux, Mac					
STANDARDS & CERTIFICATIONS	Safety & EMC	IEC EN 62040-1-1, IEC EN 62040-2					
	Performance	IEC EN 62040-3					
	Marks	CE					
BACK PANELS	<p>MSII 6000MT      MSII 10000MT</p> 		<p>MSII 10000 3/1      MSII 15000-20000 3/1</p> 