

# MARS III tower

## MAXIMUM POWER, EFFICIENCY AND REDUNDANCY

6000VA – 10000VA

The ability to install up to four units in parallel means that the maximum redundancy level is always guaranteed.



### IDEAL FOR:



Critical IT applications



Telecommunications



Electro-medical equipment



VOIP



Industrial applications

### FEATURES:

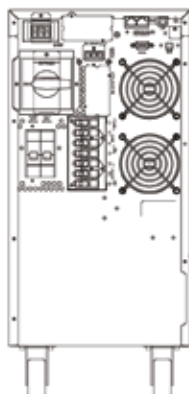
- Maximum power availability:  $kVA=kW$ .
- Up to 4 units in parallel, 3 + 1 redundancy possible with parallel kit.
- Low running costs: the high efficiency VFI and ECO features minimise energy consumption.
- User-friendly monitoring software can be downloaded free and is compatible with the main operating systems, for: monitoring functions, diagnostics, controlled shutdown of loads in the event of faults.
- Cold start option.
- Wide input voltage and frequency ranges reduce battery switching, thereby increasing battery life and efficiency.
- Flexible battery configuration to suit your uptime requirements.
- Accurate calculated remaining uptime is shown on the display.
- Hot-swappable batteries: the batteries can be replaced while the UPS is running.
- Firmware can be upgraded easily to implement new features.
- EPO and On/Off, with remote option.
- 6-step operation test that can be activated manually.
- RS232 and USB ports, slots for optional communication cards.

### KEY OPTIONS:

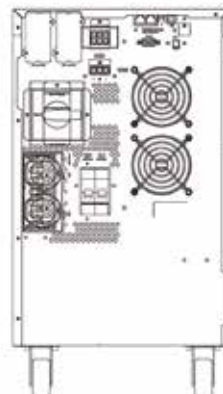
- Cards: RS485, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- External battery cabinets.
- External manual bypass with additional sockets.

### BACK PANEL

MS III 6000



MS III 10000



# MARS III TOWER TECHNICAL DATA SHEET

MODEL		MS III 6000	MS III 10000	
POWER	VA	6000	10000	
	W	6000	10000	
INPUT	Rated voltage*	110-280 Vac		
	Frequency	45-70 Hz		
	Power factor	>0.99		
OUTPUT	Rated voltage	220/208/220/230/240 Vac selectable		
	Voltage distortion	<2% with linear load, <7% with distorting load		
	Voltage stability	±1%		
	Frequency	50/60 Hz (selectable)		
	Frequency stability	≤ 0.2% (free running)		
	Power factor	1		
	Crest factor	3:1		
	Waveform	Pure sine wave		
	Output connection	Terminal blocks		
EFFICIENCY	VFI mode	Up to 94%		
	ECO mode	Up to 98%		
GENERAL	Dimensions (WxDxH) mm	240x700x513	288x700x513	
	Weight (kg)	78	93	
	Alarms	Audible and visual alarm alerts for: power failure, low battery, bypass transfer, and UPS fault.		
	Protection	Overload, overheating, short circuit, deep discharge, battery overcharging.		
	Operating mode	Multi-mode: VFI, ECO, frequency converter (CVCF)		
	Cold start from the battery without mains power	Included		
	Parallel connection	Up to 4 units for 3+1 redundancy		
BATTERY	Battery type	12V VRLA, AGM (maintenance-free lead)		
	Uptime with internal battery (in min).	50% load	12	11
		100% load	4	4
	Charging time (90%)	4-6 hours		
Battery expansion module dimensions (WxDxH) **	288x663x661			
ENVIRONMENTAL PARAMETERS	Operating temperature***	0-40°C		
	Relative humidity	0%-90% (non-condensing)		
	Altitude (a.s.l.)	<1000 m with no power derating, >1000 m with 1% derating for every 100 m.		
	Audible noise at 1 m.	≤60 dBA		
CONNECTIVITY	Built-in communication ports	USB, RS232, EPO On/Off contact, and additional slots for optional cards		
	User interface	LCD and function keys (parameters: voltage, frequency, load percentage, battery voltage, output voltage, estimated uptime, UPS temperature).		
	Optional accessories	Cards: SNMP, RS485 ModBus, dry relay contacts		
	Compatible software platforms	Microsoft Windows, Linux, Mac OS, VMware		
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3		
	Marking	CE		

Catalogue data may be subject to change without notice due to our commitment to continuous innovation - rev 21\_07

\* Depending on the load

\*\* Battery weight and configuration depends on the required uptime

\*\*\* To be verified according to the battery parameters