

MSIII RT 1/1

MAXIMUM ACTIVE POWER



6000VA – 10000VA

Convertible design to suit any installation type.

IDEAL FOR



Servers and networking



Critical applications



Electro-medical equipment



Industrial applications

FEATURES

- Maximum power availability: kVA=kW.
- Versatile because the display panel can be turned to transform the rack into a tower.
- 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.
- Compact version of the 6000 VA model available with internal batteries.
- 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.
- 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.
- USB port and slots for optional communication cards.

KEY OPTIONS

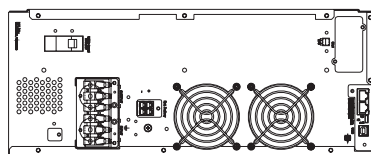
- Cards: RS-485 ModBus, RS232, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- Rail kit for rack mounting.
- External battery cabinets.
- External manual bypass with additional sockets.

BACK PANEL

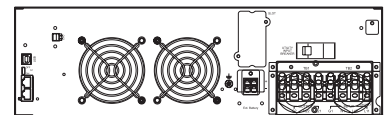
MSIII 6000 RT



MSIII 6000 C



MSIII 10000 RT



MSIII RT 1/1 TECHNICAL DATA SHEET

MODEL		MSIII 6000 RT	MSIII 6000 RT C	MSIII 10000 RT	
POWER	VA	6000	6000	10000	
	W	6000	6000	10000	
INPUT	Rated voltage*	110-280 Vac			
	Rated frequency	45-70 Hz			
	Power factor	>0.99			
OUTPUT	Rated voltage	200/208/220/230/240 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	440x680x88	440x680x176	440x680x132	
	Weight (kg)	18.5	60	21.5	
	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 battery in minutes with PF1	50% load	Depends on the external battery cabinets	7	Depends on the external battery cabinets
		100% load	Depends on the external battery cabinets	3	Depends on the external battery cabinets
	Charging time (90%)	4 hours			
	Battery expansion module dimensions (WxDxH) **	440x685x132 (3U)	440x685x88 (2U)	440x685x132 (3U)	
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, EPO, remote 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, RS232, 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			

Specifications subject to change without notice - Rev. 22.09

* Depending on the load

** Battery weight and configuration depends on the required uptime

*** To be verified according to the battery parameters