Ablerex

every moment counts

MSIII Tower

6000-10000 VA

MSIII RT 1/1

6000-10000 VA

SINGLE-PHASE ONLINE UPS

MSIII Tower - MSIII RT 1/1

The MARS 6000–10000 VA UPS offers the maximum available power (kVA=kW), and can be connected in parallel for power or redundancy and are suitable for applications that require greater uptime.

MSIII Tower 6000-10000 VA

MSIII RT 1/1 6000-10000 VA

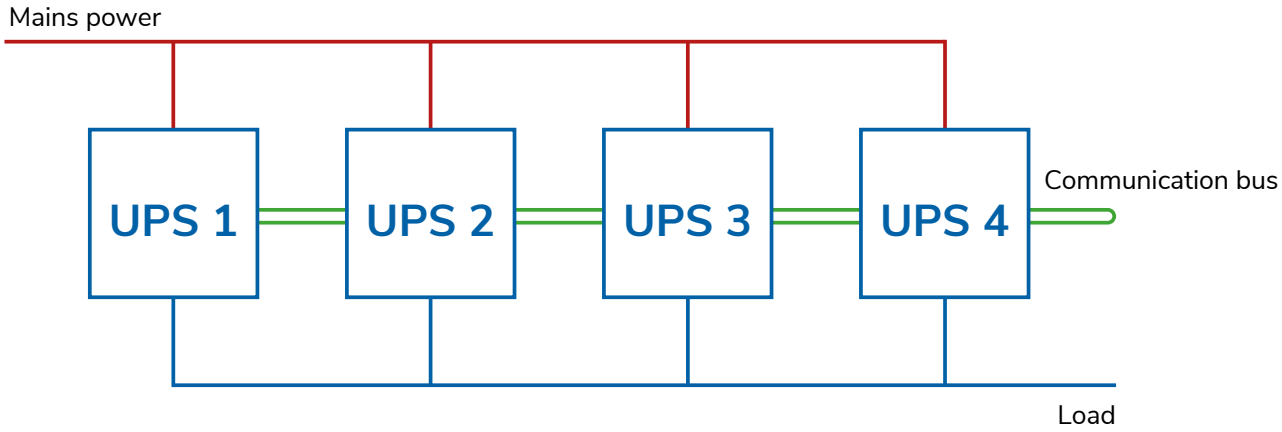
Applications

- Critical IT applications
- Server rooms and micro data centres
- Network, VOIP and telecommunications equipment
- Video surveillance, security and IoT devices
- Electromedical equipment
- Industrial applications

Parallel operation

Purchasing the parallel kit enables this feature, allowing the load to be shared by more than one UPS.

- Up to 4 units can be connected in parallel for a total power of 40 kVA.
- Load always protected thanks to the option of 3+1 redundancy (up to 30 kVA); in the event of a faulty UPS, it is replaced by the fourth module.
- No single point of failure thanks to the communication bus loop connection.



MSIII Tower - MSIII RT 1/1

- 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 principle operating systems, for: monitoring functions, diagnostics, controlled shutdown of loads in the event of faults.
- Cold start option without mains power.
- 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 or 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

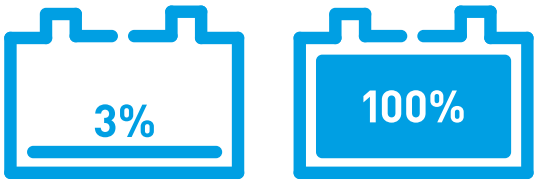
- Cards: RS485, RS232, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- External battery cabinets.
- External manual bypass with additional sockets.
- Rack mounting rail kit for RT models.

Longer battery life

- Set the battery discharge level (3-100%) with the free software.

Battery reserve management

- The UPS turns off when it reaches the set residual battery charge level.
- The UPS can be switched on again manually even without mains power.



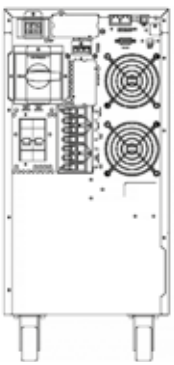
MSIII Tower - MSIII RT 1/1

MSIII TOWER TECHNICAL DATA SHEET

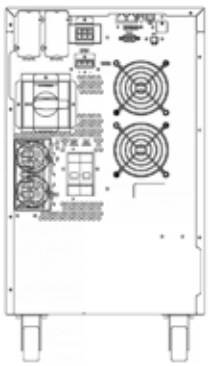
MODEL			MSIII 6000	MSIII 10000
POWER	VA		6000	10000
	W		6000	10000
INPUT	Rated voltage*		110 – 280 Vac	
	Frequency		45 – 70 Hz	
	Power factor		>0.99	
OUTPUT	Rated voltage		200/208/220/230/240 Vac selectable	
	Voltage distortion		≤2% with linear load, ≤7% with distorting load	
	Voltage stability		±1%	
	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		240x700x513	288x700x513
	Weight (kg)		59	78
	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 minutes	50% load	12	11
		100% load	4	4
	Charging time (90%)		4 – 6 hours	
	Battery expansion module dimensions (WxDxH) mm **		288x663x661	
ENVIRONMENTAL PARAMETERS	Operating temperature***		0 – 40°C	
	Relative humidity		0% – 90% (without 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, remote On/Off contact, and additional slots for optional cards	
	User interface		LCD and function keys (parameters: voltage, frequency, percentage load, 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, UKCA	

* Depending on the load ** Battery weight and configuration depends on the required uptime *** To be verified according to the battery parameters

MARS 6000



MARS 10000



Specifications subject to change without notice - Rev. 2024/08

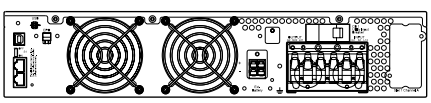
MSIII Tower - MSIII RT 1/1

MSIII RT 1/1 TECHNICAL DATA SHEET

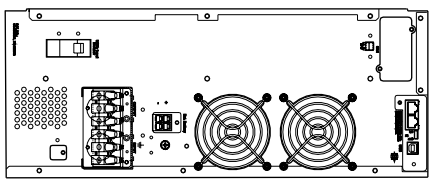
MODEL			MSIII 6000 RT	MSIII 6000 RT C	MSIII 10000 RT
POWER	VA		6000	6000	10000
	W		6000	6000	10000
INPUT	Rated voltage*		110 – 280 Vac		
	Rated frequency		45 – 70 Hz		
	Power factor		>0.99		
OUTPUT	Rated voltage		200/208/220/230/240 Vac selectable		
	Voltage distortion		≤2% with linear load, ≤7% with 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	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) mm**		440x685x132 (3U)	440x685x88 (2U)	440x685x132 (3U)
ENVIRONMENTAL PARAMETERS	Operating temperature***		0 – 40°C		
	Relative humidity		0% – 90% (without 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, percentage load, 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, UKCA		

* Depending on the load ** Battery weight and configuration depends on the required uptime *** To be verified according to the battery parameters

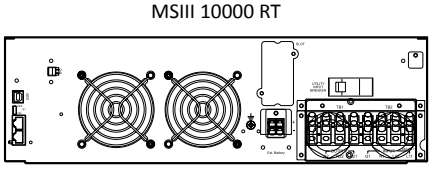
MSIII 6000 RT

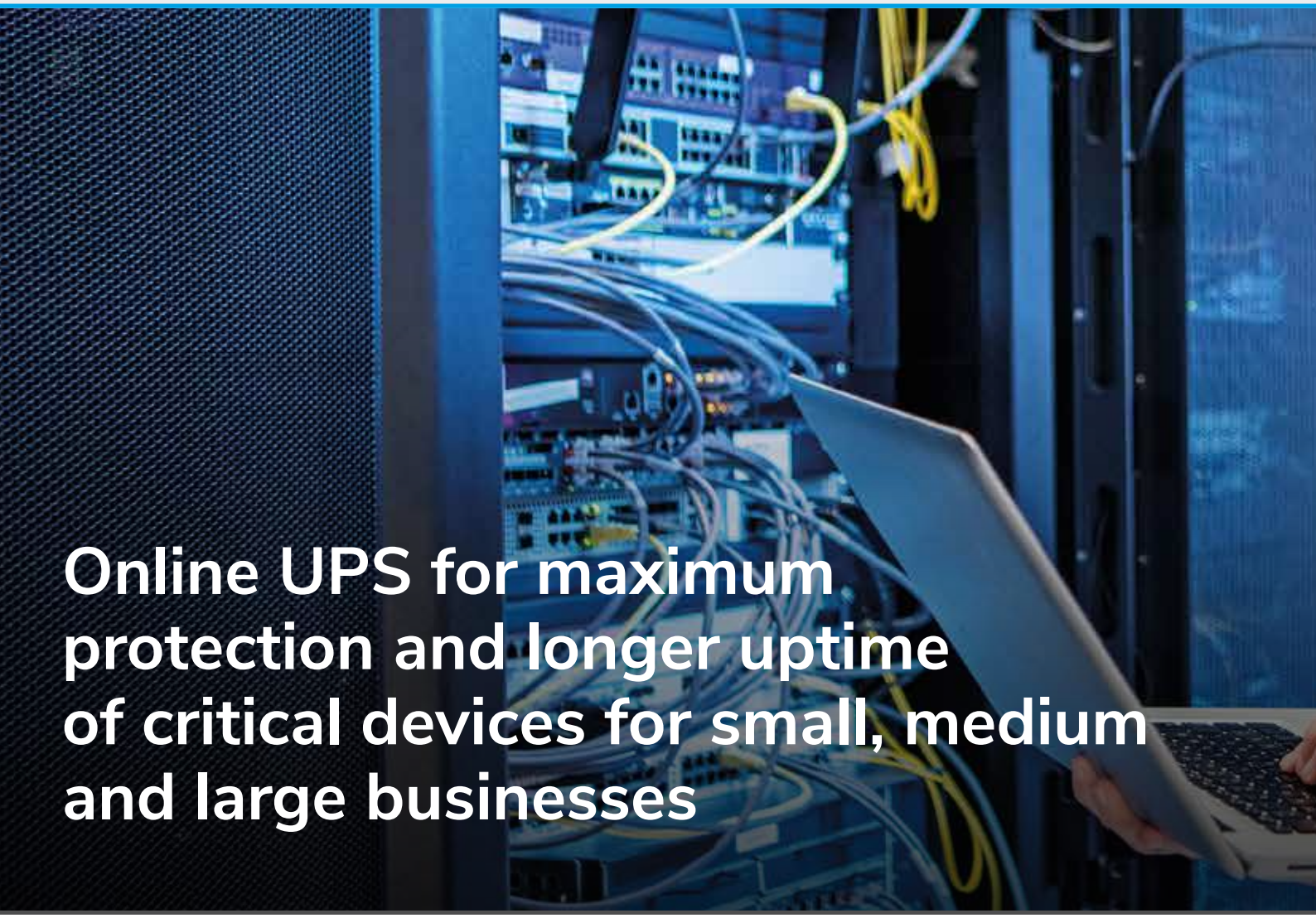


MSIII 6000 C



MSIII 10000 RT





Online UPS for maximum protection and longer uptime of critical devices for small, medium and large businesses

AR PLUS Tower
1000VA - 3000VA

AR PLUS RT • OD PLUS
1000VA - 3000VA

OD H
1000VA - 3000VA

SINGLE-PHASE ONLINE UPS

MSIII Tower
6000VA - 10000VA

MSIII RT 1/1
6000VA - 10000VA

MSII RT 3/1
10000VA - 20000VA

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Ablerex Electronics Italy srl
Viale Milanofiori · Strada 6 · Palazzo N1
20089 Rozzano (MI)
info@ablerex.eu · Tel. +39 02 36696420
www.ablerex.eu

Ablerex Electronics Ltd
19 The Circle Queen Elizabeth Street,
London, Greater London SE1 2JE - UK
info@ablerex.uk · Ph. +44 (0) 7920 058834
www.ablerex.uk