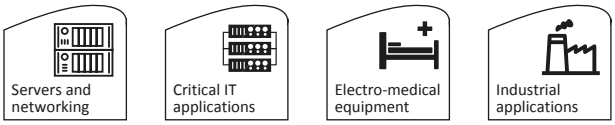
SINGLE-PHASE ONLINE UPS



Features

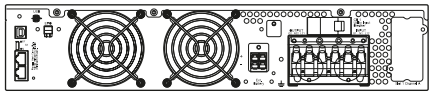
- Maximum power availability: kVA=kW.
- Versatile because the display panel can be turned to transform the rack into a tower.
- Up to 4 units in parallel, 3 + 1 redundancy possible with parallel kit.
- Low running costs: the high efficiency VFI and ECO features minimise energy consumption.
- User-friendly 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 or On/Off, with remote option.
- 6-step operation test that can be activated manually.
- USB port and slots for optional communication cards.

Key options

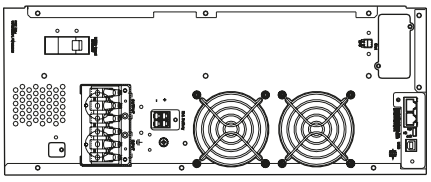
- Cards: RS-485 ModBus, RS232, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- Rail kit for rack mounting.
- External battery cabinets.
- External manual bypass with additional sockets.

BACK PANEL

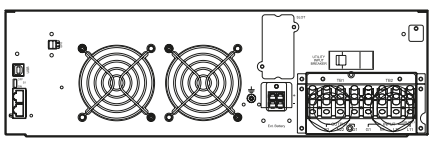
MSIII 6000 RT



MSIII 6000 C



MSIII 10000 RT



Ablerex

MSIII RT 1/1 6000VA - 10000VA

MAXIMUM ACTIVE POWER

Convertible design to suit any installation type.

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)		
	Number per string		20		
	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 contact relays		
	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