



Mars
6000-10000 VA

Mars RT
6000-10000 VA



MARS - MARS RT

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.

MARS 6000-10000 VA



MARS RT 6000-10000 VA



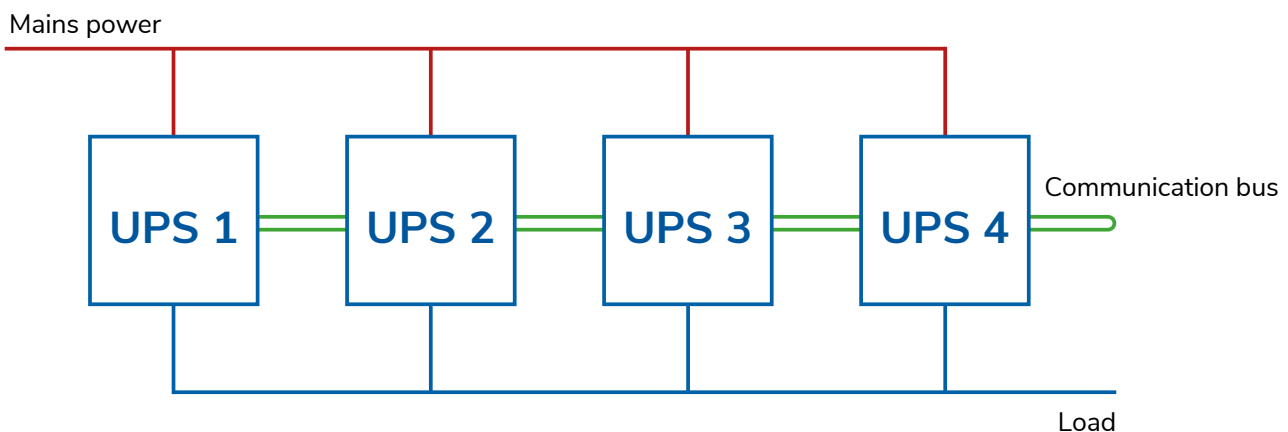
Applications

- 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.



MARS - MARS RT

- 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

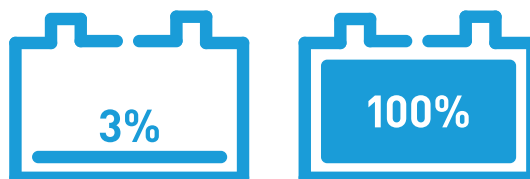
- Cards: RS485, RS232, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- Parallel kit.
- External battery cabinets.
- External manual bypass with additional sockets.
- Rack mounting rail kit for RT models.

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.

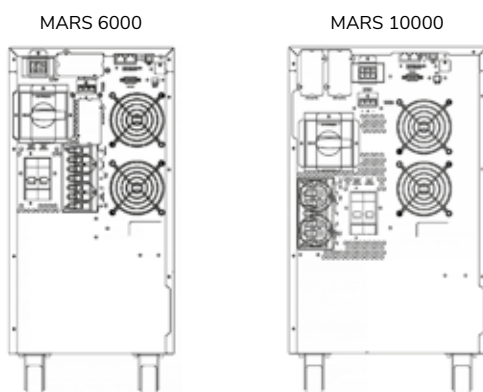


MARS - MARS RT

MARS TECHNICAL DATA SHEET

MODEL		MARS 6000	MARS 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



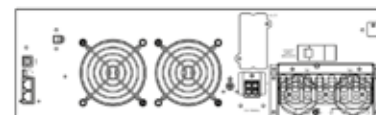
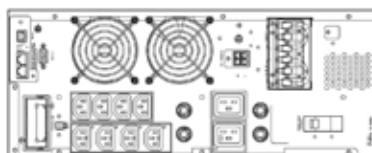
MARS - MARS RT

MARS RT TECHNICAL DATA SHEET

MODEL		MARS 6000RT	MARS 6000RTC	MARS 10000RT	
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			
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

MARS 6000RTC



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



Ares
1000-3000 VA

Mars
6000-10000 VA



Ares RT
1000-3000 VA

Mars RT
6000-10000 VA

**Odin
Odin Harsh**
1000-3000 VA



Rev.2024/06 - Our commitment to continuous innovation means that catalogue data may be subject to change without notice

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