MARS III RT

Online Double Conversion UPS

- Pure Sinewave Output
- Digital Signal Processing
- IGBT Transformer less Technology
- kW = kVA – More available power
- Convertible rack/tower-rotating display
- LCD Multi functional Display
- Software Control & Monitoring

kW = kVA

Ablerex
every moment counts

Ablerex
Experts in Power Conversion

MARS III RT

HIGHEST ACTIVE POWER FOR A RACK MOUNT UPS

kW = kVA

6000VA ~ 10000VA

With its Power Factor 1, Mars III delivers the highest active power for the same kVA. The compact version with batteries included is the simplest choice for servers protection.

PERFECT FOR:

- IT loads & servers
- Critical loads
- Healthcare
- Industry

FEATURES

- kW = kVA – More available power than any other UPS of the same category
- Convertible rack/tower with rotating display
- Compact version with batteries included
- High efficiency also in online mode
- 4 units parallel, 3+1 redundancy possibility with parallel kit
- Generator compatibility to guarantee efficient functioning
- Extremely wide input voltage range, to reduce battery cycling and increase battery lifetime
- Flexible battery configuration to best adapt to your needs 16/18/20 batteries
- Precise patented back-up time estimation
- Multiple operation modes to maximize energy efficiency
- Flash upgradable firmware for updates and customization
- Manual extra service check
- USB, RS232, comm slot, EPO/ROO

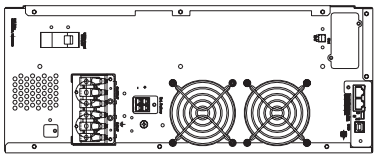
OPTIONS

- External battery cabinets with the same aesthetics
- Versions with transformer in the same case of the battery bank
- External battery charger
- Parallel box
- Rail kit
- SNMP card, dry contact ard, RS485 card
- Version of 6000C with socket
- Dual input on 10kVA model
- External bypass switch
- External socket box
- 6kVA version for 12/14/16 batteries

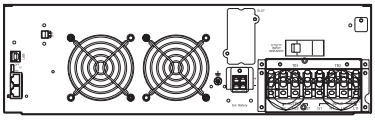
BACK PANEL

MSIII6000 RT

MSIII6000C



MSIII10000 RT



SPECIFICATIONS

MODEL			MSIII6000 RT	MSIII6000C	MSIII10000 RT
INPUT	Phase		Single Phase		
	Voltage Range**		110-280VAC		
	Frequency Range		45~70Hz		
	Current Distortion		<3%		
	Power Factor		Up to 0.99 @ 100% linear mode		
OUTPUT	Voltage (without transformer)		200/208/220/230/240 Vac, settable		
	Capacity		6000VA/6000W	6000VA/6000W	10000VA/10000W
	Power Factor**		1		
	Voltage Distortion		≤2% @100% load		
			≤7% @100% non-linear load		
	Output Voltage Regulation	without transformer	±1%		
		with transformer	±3%		
	Frequency Range		±1Hz or ±3Hz (Selectable)		
	Crest Factor		3:1		
	Output Waveform		Pure Sinewave		
EFFICIENCY	Online Mode		Up to 94%		
	ECO Mode		Up to 98%		
PHYSICAL	Dimensions (WxHxD, mm)		440x88x685	440x176x685	440x132x685
	Net Weight (kg)		18.5	60	21.5
BATTERY	Number		16/18/20 (12/14 optional)		16/18/20
	Type		VRLA, Sealed maintenance free lead acid		
	Recharge Time (to 90%)		4 hours		
	Charger (16/18/20 model)		2-step (CC-CV), 1.7A (max.)		
	Internal batteries		--	20x 5Ah	--
	Battery Bank	Code	C20X3U00	--	C20X3U00
		Max quantities	20		
		Dimension (WxHxD, mm)	440x132x685	440x88x685	440x132x685
DISPLAY	Status on LED + LCD		Line mode, backup mode, ECO mode, bypass supply, battery low, battery bad/disconnect, overload UPS fault		
	Readings on LCD		Input voltage, input frequency, output voltage, output current, output frequency, load percentage, battery voltage, inner temperature, backup time estimation		
	Self-Diagnostics		Upon power-on, manual control by panel & communication, self routine check		
ALARM	Audible or Visual		Line failure/Battery low/Transfer to bypass/System fault		
PROTECTION	Full Protection		Overload, Over temperature, short circuit, overcharge		
FUNCTION	Multi-Mode		Normal/ECO/Frequency converter		
	DC start		Yes		
	Parallel capacity		Up to 4 units		
	Parallel redundancy		3+1		
ENVIRONMENT	Operation Temperature		0~40°C		
	Operation Humidity		0%~90% (without condensing)		
	Altitude		1000m without derating		
	Noise Level		≤60dBA @ 1 meter		
INTERFACE	Standard		USB, EPO/ROO		
	Option		RS232, RS485, Dry contact card, SNMP/WEB card, 2nd RS232 card		
	Compatible platforms		Microsoft Windows series, Linux, Mac		
STANDARDS & CERTIFICATIONS	Safety & EMC		IEC EN 62040-1, IEC EN 62040-2		
	Performance		IEC EN 62040-3		
	Marks		CE		

Specifications subject to change without notice

* Depending on load percentage

** Depending on number of battery