Mars III Series

Convertible Redundancy On-Line UPS

MSIII RT 4.5KVA~10KVA

- Rack/Tower Convertible Design
- Power Factor 1.0
- Patent Backup Runtime Estimation
- Flexibible Battery Configuration
- Easy Parallel Installation
- Frequency Converter Operation Mode
- Smart ECO Mode
- Generator Compatible Mode
- Full-time Digital Signal Processor (DSP) Control
- LCD Mimic Panel
- Power Range and Runtime Scalability
- Optional Galvanic Isolation Transformer Module / MTBS box

■ MSIII6000RT

Specifications

Model			MSIII4500RT	MSIII6000RT	MSIII8000RT	MSIII10000RT
Input	Phase		Single Phase with Ground			
	Voltage Range**		110Vac~280Vac			
	Frequency Range		45~70Hz (Auto Sensing)			
	Input Current Distortion		≦3%			
	Input Power Factor		≧0.99 @ Full Load			
Output	Capacity		4500VA/4500W	6000VA/6000W	8000VA/8000W	10000VA/10000W
	Voltage		200/208/220/230/240Vac (240/208Vac+120Vac w/output transformer option)			
	Output Power Factor		1			
	Output Voltage Distortion		≦1% @ 100% Linear load ≦3% @ 100% non-linear load with PF=0.9			
	Output Voltage Regulation		±1%			
	Frequency Range (Synchronized Range)		±1Hz or ±3Hz (Selectable)			
	Crest Factor		3:1			
	Output Waveform		Pure Sine Wave			
Efficiency	Line Mode		93%		94%	
	High Efficiency Mode (ECO)		98%			
Battery	Number of Battery		12~20 (16/20 standard)		16~20 (20 standard)	
	Battery Type		Sealed Lead Acid Maintenance			
	Recharge Time (to 90%)		4 hours			
	Charger		2-mode operation, 2.1A(max.), Temperature compensation(Option)			
Display	Status On LED + LCD		Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad/Disconnect, Overload, and Transferring with interruption & 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, Charging failure, Battery Disconencted			
Function	Multi-Mode		Normal/ ECO/ CVCF			
	DC start		Yes			
	Parallel capacity		up to 4 units			
	Parallel redundancy		3+1			
Physical	Tower Mode	Dimensions (WxHxD, mm/inch)	290x788x645 / 11.4x29.5x25.4			
		Net Weight(kg/lbs)	86/190		96/215	
	RT Model	Dimensions (WxHxD, mm/inch)	2U: 440x88x680 / 17.3x3.5x26.8		3U: 440x132x680 / 17.3x5.2x26.8	
		Net Weight(kg/lbs)	24/52.9		45/99.2	
	RT Model(w/B)	Dimensions (WxHxD, mm/inch)	4U: 440x176x680 / 17.3x6.9x26.8		6U: 440x264x680 / 17.3x10.4x26.8	
		Net Weight (kg/lbs)	52/115		96/212	
Environmental	Operation Temperature		0~40°C / 32~104°F			
	Operation Humidity		20%~95%RH (Without condensing)			
	Altitude		1000m/3280ft without Derating			
	Noise Level		≦55dBA @ 1 Meter		≦60dBA @ 1 Meter	
Interface	Standard		USB, EPO, Expansion slot			
	Protocol supported		J-Bus, Modbus, SEC			
	Slot Option		RS232, RS485, Dry Contact Relay, SNMP/WEB Card			
	Compatible Platforms		Microsoft Windows series, Linux, Mac, etc.			
Standards and Certifications* **	Safety		EN62040-1, UL1778			
	EMC		EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A			
	Performance		EN62040-3			
	Marks		CE, UL, cUL, FCC			

* Specifications subject to change without notice, and the final explanation rights are reserved by Ablerex.
** Depending on load percentage.
*** Depending on the model and voltage, please contact Ablerex for more information.
**** The same technical specification may be sold in different countries under different model names, please consult Ablerex for more information.