Ablerex

Experts in Power Conversion

Mars III Tower

High Performance Monoblock On Line UPS

The MARS III tower UPS features Unity Power Factor in all classifications, providing 13% more active power than its competitors for the same kVA. And with 4 units in parallel the redundancy is also maximum!

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Rear View

Front view

Features:

- Power Factor 1 (kVA=kW)
- 4 parallel units, allows redundancy up to 3+1 with paralleling cables.
- Online double conversion technology (0 ms)
- Automatic bypass and manual maintenance bypass
- LCD + LEDs + 6 buttons for configuration.
- Flexible battery configuration to best suit your needs.
- Accurate estimate of backup time.
- Multiple modes of operation to maximize energy efficiency.
- Batteries can be hot-swapped while the UPS is running.
- Rectifier and inverter with IGBT technology.
- EPO and remote on / off functions

Mars III specifications

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MODEL		AB-MSIII6002	AB-MSIII10002
Input	Voltage range	110 Vac ~ 300 Vac	
	Frequency range	40~70 Hz (Auto sensing)	
	Phases	Single Phase L+ N+G	
	Harmonic Distortion THDi	≤ 3%	
	Power factor	≥ 0.99 @ full load	
	Electrical connection	Hardwire with terminal blocks	
Output	Capacity	6000 VA / 6000 W	10000 VA / 10000 W
	Output voltage	200/208/220/230/240 Vac, settable	
	Phases	Single Phase L+ N+G	
	Power Factor	1	
	Harmonic distortion THD	≤2% con cargas lineales y ≤ 5 % con cargas no lineales	
	Voltage regulation	±1%	
	Frequency range	± 1Hz or ± 3Hz synchronized (selectable); 50/60 Hz ± 0.1Hz in battery mode and CVCF	
	Crest factor	3:1	
	Electric connection	Hardwire with terminal blocks and optional PDU	
	Wave type	Pure sinusoidal	
Efficiency	Online mode	Upto 94.5	
	ECO high efficiency	98%	
Battery	Type	Sealed, acid and lead VRLA-AGM	
	Quantity and voltage	20 batteries (12 Vdc and up to 9 Ah) and 240 Vdc	
	Recharge time (to 90%)	3 to 4 hours	
	Charger	two-stage AC direct powered, temperature compensation (optional)	
Display	LED	Main input and bypass (dual input), parallel mode, fault and ECO mode.	
	LCD readings	Input Voltage, Input Frequency, Output Voltage, Output Current, Output Frequency, Charge Percentage, Battery Voltage, Internal Temperature, Estimated Backup Time	
	Auto diagnosis	After power-up, manual control by panel and communication, routine check	
Alarms	Audiovisual	Line Failure / Low Battery / Bypass Transfer / System Failure	
Protection	Software	Overload, over-temperature, short circuit, charge failure, battery disconnected	
	Hardware	Power input switch and bypass input switch	
Functions	Multiple mode	Normal / ECO / CVCF (Constant Voltage / Constant Frequency)	
	Cold start	Yes	
	Parallel capacity	Up to 4 units	
	Parallel redundancy	Up to 3 +1	
Physical	Dimensions (WxHxD,mm/inch)	240*513*700 / 9.5*20.2*27.6	288*513*700 / 11.3*20.2*27.6
	Net weight (kg/lbs)	78/ 171.6	93 / 204.6
Enviromental	Noise level	≤ 45dBA @ 1 meter	≤ 50 dBA @ 1 meter
	Temperature	0~40C / 32~104F	
	Humidity	0%~95%RH (without condensing)	
	Operating altitude	3000 masl	
Interface	Standard	USB, EPO, Remote On / Off, RS232, 2 network card slots, RJ45 ports for parallel.	
	Additional protocols	J-Bus, Modbus, SEC, SNMP/WEB	
	Slot options	RS232, RS485, Dry Contact, SNMP / WEB cards	
	Supported platforms	Microsoft Windows series, Linux, Mac, etc.	
Standards y Certifications	Security	EN62040-1, UL1778	
	EMC	EN62040-2, EN61000-3-2, EN61000-3-3, FCC Clase A	
	Marks	CE, UL, cUL, FCC	

* Specifications are subject to change without notice.