MARS 110V / 115V / 120V ON-LINE UPS SPECIFICATION

MODEL			MARS 1K	MARS 1KS*	MARS 1.5K	MARS 1.5KS*	MARS 3K	MARS 3KS*
CAPACITY	VA/W		1000VA/700W		2000VA/1400W		3000VA/2100W	
INPUT	Voltage		60~138VAC					
	Voltage Range		Base on load percentage (100%-70% / 70%-60% / 60%-50% / 50%-40% / 40%-0%)					
		Low Line Transfer	80VAC/70VAC/70VAC/60VAC/60VAC					
		Low Line Comeback	85VAC/85VAC/75VAC/75VAC/65VAC					
		High Line Transfer	138VAC					
		High Line Comeback	133VAC					
	Frequency Range		46Hz ~ 54Hz / 56Hz ~ 64Hz					
	Phase		Single phase with ground					
	Power Factor		≧0.95					
OUTPUT	Voltage		110VAC/115VAC/120VAC					
	Voltage Regulation		±2%					
	Frequency (Synchronized range)		46Hz ~ 54Hz / 56Hz ~ 64Hz					
	Frequency (Battery Mode)		50/60Hz ± 0.2 Hz					
	Current Crest Ratio		3:1					
	Harmonic Distortion		≦5% THD (Linear Load) / ≦10% THD (Non-Linear Load)					
	Output Waveform		Pure Sinewave					
EFFICIENCY	Tower Case	To AC Mode	85%		83%		86%	
		To Battery Mode	83%		82%		83%	
	Rack Case	To AC Mode	85%		83%		86%	
		To Battery Mode	83%		82%		83%	
BATTERY	Tower Case	Battery Type	12V/7.2Ah	Depending on the capacity of external batteries	12V/7.2Ah	Depending on the capacity of external batteries	12V/7.2Ah	Depending on the capacity of external batteries
		Numbers of Batteries	3		4		8	
		Backup Time (Full Load)	>5 minutes		>5 minutes		>5 minutes	
		Recharge Time	8 hours to 90%		8 hours to 90%		8 hours to 90%	
		Charging Current (Max.)	1.0A	7.8A	1.0A	7.8A	1.0A	7.8A
		Charging Voltage	41.1Vdc ± 0.6V		54.9Vdc ± 0.4V		110Vdc ± 0.4V	
	Rack Case	Battery Type	12V/7.2Ah	Depending on the capacity of external batteries	12V/7.2Ah	Depending on the capacity of external batteries	12V/7.2Ah	Depending on the capacity of external batteries
		Numbers of Batteries	3		4		8	
		Backup Time (Full Load)	>5 minutes		>5 minutes		>5 minutes	
		Recharge Time	8 hours to 90%		8 hours to 90%		8 hours to 90%	
		Charging Current (Max.)	1.0A	7.8A	1.0A	7.8A	1.0A	7.8A
		Charging Voltage	41.1Vdc +0.6V/-0.8V		54.9Vdc +0.4V		110Vdc ± 0.4V	
		External Battery Rack	N/A	12V/7.2Ahx6	N/A	12V/7.2Ahx8	N/A	12V/7.2Ahx8
TRANSFER TIME	AC to DC		Zero					
	Inverter to Bypass		2.5ms (Typical)				Zero	
INDICATOR -	Status		Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault					
AUDIBLE ALARM	Battery Mode		Sounding every 4 seconds					
	Low Battery		Sounding every second					
	Overload		Sounding twice every second					
	Fault		Continuously Sounding					
DIMENSION	Tower Case (DxWxH) mm		400x145x220		465x145x220		465x192x340	
	Rack Case (DxWxH) mm		482.6x450x87(w. battery)		482.6x450x88		482.6x450x88	
WEIGHT	Tower Case		13 kgs	7 kgs	17.5 kgs	9 kgs	33 kgs	16 kgs
	Rack Case	UPS Case	15.3 kgs	9.1 kgs	19.3 kgs	11.5 kgs	11.2 kgs	12.3 kgs
		Battery Pack	N/A	20.5 kgs	N/A	25.3 kgs	N/A	25.3 kgs
ENVIRONMENT	Operating Temperature		0-40° C					
	Relative Humidity		20-90% (Non-Condensing)					
	Noise Level		<45dB @ 1Meter		<45dB @ 1Meter		<50dB @ 1Meter	
INTERFACE	Smart RS-232		Windows 98/NT/2000/XP/2003, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, and MAC					
	SNMP (option)		Power management from SNMP manager and web browser					

MARS
Powerful On-Line UPS

THE EXPERTS' CHOICE

- Microprocessor Control Guarantees High Reliability
- PWM Technology with IGBTs
- Wide Input Voltage Range
- Communication Ports Selectable : Smart RS-232 and Intelligent Slot for AS-400, and SNMP Card
- Free Download Software from the Internet for Monitoring UPS Status
- Optional External Battery Socket Available for Extended Backup Time
- Cold Start Function
- Auto Self-testing System while Turning on the UPS
- Tower and Rack Mount Available
- Modular Design Available for MARS 1K/MARS 2K/MARS 3K
- Maintenance Bypass Switch and DSP Technology Application for MARS 6K/MARS 10K
- Two-Step Intelligent Charging Mode Available for MARS 6K/MARS 10K S Models
- N+X Parallel Redundancy and Capacity Expansion for MARS 6K/MARS 10K

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DIRECT UPS