

Mars II Series Redundancy On-Line UPS

MSII 4500VA~20000VA



- Simple Parallel Installation
- Full-time Digital Signal Processor Control
- Frequency Converter Operation Mode
- Smart ECO Mode
- LCD Mimic Panel
- Power Range and Runtime Scalability
- Maintenance Bypass Switch Embedded
- Optional Galvanic Isolation Transformer
- Optional Hot Swappable Battery



■ MSII 10000VA 3/1



■ MSII 15/20000VA

Specifications

Model	MSII4500	MSII6000	MSII8000 / 8000P	MSII10000 / 10000P	MSII 15000	MSII 20000	
Input	Voltage	160~280Vac		160~280Vac (1Φ) / 277 ~ 485Vac (3Φ)**		277~485Vac(3Φ R, S, T, N)**	
	Frequency	45 ~ 65 Hz					
	Phase	Single, Line + Neutral + Ground		Single, Line + Neutral + Ground; Three, R, S, T + Neutral + Ground		Three + G	
	Power Factor	Up to 0.99 at Linear Load					
Output	Voltage	200/208/220/230/240Vac Selectable(208/120Vac optional)					
	Capacity	4050W	5400W	7200W	9000W	13500W	18000W
	Frequency (Battery Mode)	±1Hz or ±3Hz (Selectable)					
	Current Crest Ratio	3:1					
	Harmonic Distortion	< 3% at Linear Load					
	Output Waveform	Pure sine wave					
	Transfer Time (AC to DC)	0ms					
	Efficiency	Up to 90% (Line Mode)			Up to 90% (without Transformer)		
	DC Start	Yes					
	Number of batteries	20pcs					
Battery	Type	Sealed Lead Acid Maintenance Free					
	Capacity	12V/7AH		12V/9AH		N/A	
	Rated Battery Voltage	240Vdc					
	Recharge Time + 90%	5 hours			N/A		
Display	Status On LED + LCD	Line Mode / Backup Mode / ECO Mode / Bypass Supply / Battery Low / Battery Fault / Overload / Transferring with interruption / UPS Fault					
	LCD	Input Voltage / Input Frequency / Output Voltage / Output Frequency / Load Percentage / Battery Voltage / Temperature					
Alarms	Self-Diagnostics	Upon Power-on / Front Panel Setting & Software Control / 24-hour routine checking					
	Audible and Visual	Line Failure / Battery Low / Transfer to Bypass, System Fault Conditions					
Protection	Overload Capacity	Inverter Supply: 105%~150% for 160 seconds ~ 2 cycles before switching bypass. Bypass Supply: 105%~200% for 500 seconds ~8 cycles before stopping supply load.					
	Short Circuit	Output Breaker / Electronic Circuit					
	EPO	Output shutdown immediately					
Environmental	Over Temperature	Normal Mode : Transfer to Bypass Mode Battery Mode : UPS shuts down immediately					
	Dimensions (WxHxD,mm/inch)	w/o transformer 290x748x645 / 11.4x29.5x25.4		with transformer 290x748x645 / 11.4x29.5x25.4		290x881x645 / 11.4x34.7x25.4	
Physical	Weight (kg/lbs) Standard Unit/ (w/o transformer) Hot Swappable unit	86/190		8K:87/192 10K:96/215		60/132	
		120/264		8K:92/202.4 10K:101/223		130/286	
	Weight (kg/lbs) Standard Unit/ (with transformer) Hot Swappable unit	8K:140/308 10K:149/327.8		8K:145/319 10K:154/338.8		130/286	
		Operating Temperature 0~40°C / 32~104°F					
Interface	Noise Level (1m front)	<50dBA				<52dBA	
	Altitude	1000m / 3280ft without Derating					
	Humidity	20%~95%RH (Without condensation)					
Standard and Certifications	Interface Type	Standard RS232 Interface			Standard RS232, EPO		
	Communication Slots	2 nd RS232, USB, RS485, Relay Contact, SNMP/WEB Card, etc.					
	Compatible platforms	Microsoft Windows series, Linux, Mac, etc.					
Standard and Certifications	Safety	EN62040-1-1, UL1778			EN62040-1-1		
	EMC	EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A			EN62040-2		
	Markings	CE, cUL, UL ***			CE		

Battery Bank

UPS model	Code	Bat. Type	Max. Quantities	Dimensions (HxWxD, mm/inch)
MSII 4500 / 6000VA	T40JXX07	7AH	40	290x748x631 / 11.4x29.4x24.8
MSII 4500 / 6000VA	T60JXX07	7AH	60	290x748x631 / 11.4x29.4x24.8
MS II 8000 / 10000VA	T40NXX09	9AH	40	290x748x631 / 11.4x29.4x24.8
MS II 8000 / 10000VA	T60NXX09	9AH	60	290x748x631 / 11.4x29.4x24.8
MSII15000VA / 20000VA	T60VXX09	9AH	60	290x748x631 / 11.4x29.4x24.8
MSII15000VA / 20000VA	T40VXX12	12AH	40	290x748x631 / 11.4x29.4x24.8

* Specifications subject to change without notice.

** Based 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.

