

MSII RT

1/1 & 3/1

Powerful, robust,
reliable



6000VA ~ 20,000VA

On the market for many years, Mars II RT combines reliability and robustness with high power and great installation flexibility.

Features

- On-line protection with 0.9 power factor
- LCD display
- Dual input (only for Mars II 20k version)
- Full rated bypass line with single phase output
- Multiple operation modes to maximize energy efficiency
- Parallelable up to 4 units, for enhanced redundancy
- RS232, USB connection and comm. slot
- Emergency Power Off (EPO)
- Coordinated external battery cabinets
- Cold start, to turn on the load in battery mode
- Manually activated extra service check

Options

- Parallel kit
- External manual bypass
- RS232, RS485, SNMP, dry contacts boards



Server racks

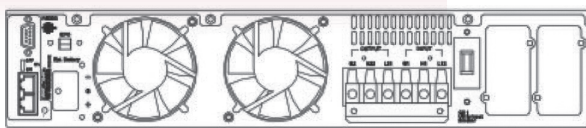


Big IT loads

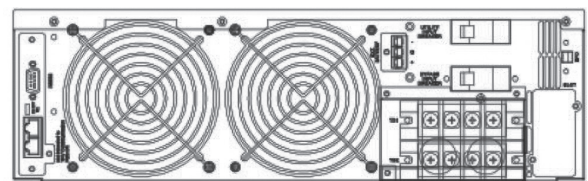


Small server rooms

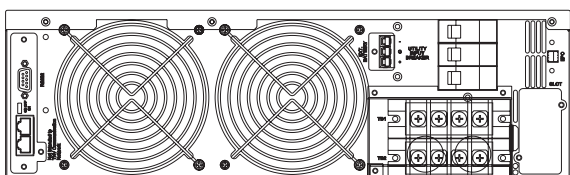
Back Panel



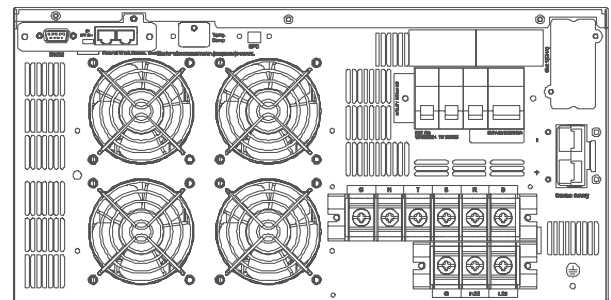
MSII 6000 RT



MSII 10000 RT



MSII 10000 RT 3/1



MSII 15000-20000 RT 3/1

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Technical Specifications

Model		MSII 6000 RT	MSII 10000 RT	MSII10000 RT 3/1	MSII15000 RT 3/1	MSII20000 RT 3/1
Input	Voltage*	160~280Vac (1-phase)		277-485Vac (3-phase)		
	Frequency*	45-65Hz				
	Phase	Single Phase		Three Phase + Neutral		
	Power Factor	Up to 0.99 @ Linear load				
Output	Voltage*	200/208/220/230/240 Vac, selectable				
	Capacity	6000VA/5400W	10000VA/9000W	10000VA/9000W	15000VA/13500W	20000VA/18000W
	Frequency (Battery Mode)	±1Hz or ±3Hz (Selectable)				
	Current Crest Ratio	3:1				
	Harmonic Distortion	<3% at Linear load				
	Output Waveform	Pure Sinewave				
	Efficiency	Up to 91%				
	Efficiency ECO Mode	Up to 98%				
Physical	Dimensions (WxHxD, mm)	440x88x680	440x132x680	440x132x680	440x220x720	
	Net Weight (kg)	24	45	50	36	
External Battery Cabinet	Number	20pcs				
	Type	Sealed maintenance free lead acid				
	Capacity	12V/9AH				
	Rated battery voltage	240Vdc				
	Recharge Time (to 90%)	4~6 hours				
	Code	C20N3U00	C20N3U00	C20X3U00	C20V3U00	
	Dimension (WxHxD, mm)	440x132x680	440x132x680	440x132x685	440x132x680	
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 frequency, load percentage, battery voltage & inner temperature				
	Self-Diagnostics	Upon power-on, LCD setting & software control, 24-hour routine checking				
Alarm Protection	Audible or Visual	Line failure/Battery low/Transfer to bypass/System fault				
	Full Protection	Overload, Over temperature, short circuit, overcharge				
Functions	Multi-Mode	Normal/ECO/Frequency converter				
	DC start	Yes				
	Parallel capacity	Up to 4 units				
Environment	Operation Temperature	0~40°C				
	Operation Humidity	95% (without condensing)				
	Altitude	1000m without derating				
	Noise Level	<50dBA @ 1 metre		<60dBA @ 1 metre		
Interface	Standard	RS232, EPO, comm. slot				
	Communication slots	RS232, USB, RS485, Dry contact card, SNMP/Web 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

*Based on model and /or load percentage

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