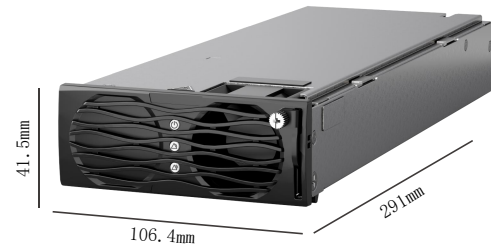


MR483000SHG2

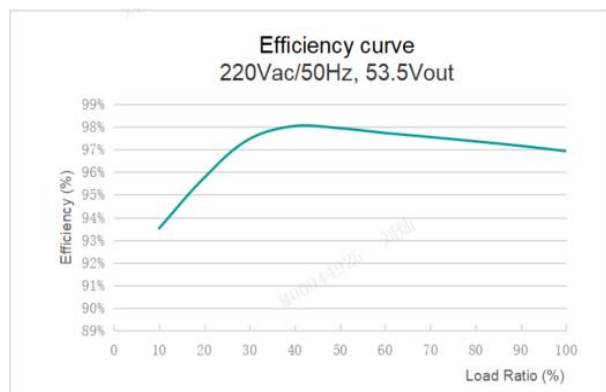
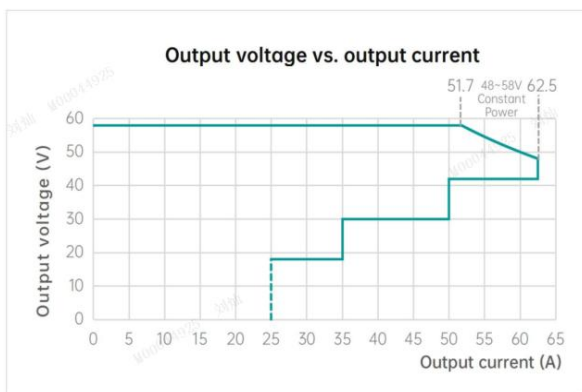
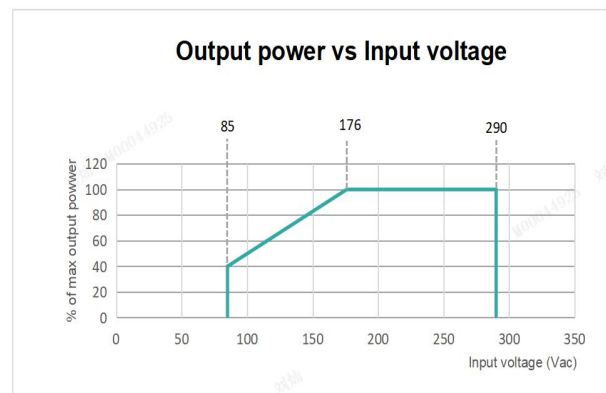
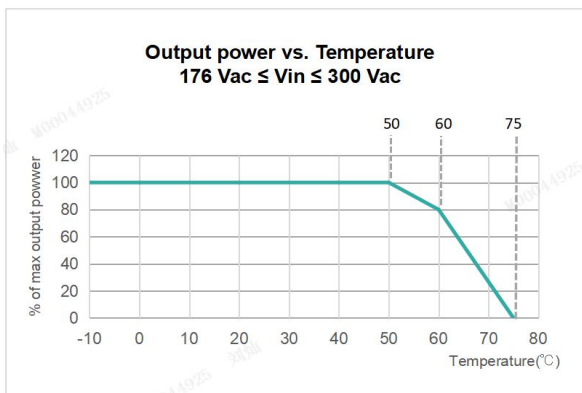
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MR483000SHG2 is a ultra high efficiency, high power density digital rectifier module. It can convert 85- 290V AC input to the default output 53.5V DC. It has the performance of high reliability, high conversion efficiency, low noise, soft start, hot swap.



AC input		DC output	
Input voltage (nominal)	220 Vac / 230 Vac	Output voltage	-42~-58 Vdc, rated: -53.5 Vdc
Input voltage range	85~290 Vac	Peak efficiency	98±0.1%
Max input current	18 A	Maximum capacity	3000 W
Input frequency	45~65 Hz	Maximum output current	62.5 A
Power factor	≥0.99 (220 Vac @ 50% to 100% load)	THD	<5% @50%~100% load (220VAC, 50Hz)
Control and monitor		Environment	
Communication protocol	CAN	EMC	EN 55032 Class B
LED	Green - Normal; Yellow - Alarm; Red - Fault	Safety	UL 62368-1; EN 62368-1; IEC 62368-1



Parameters

Item		Description
Features • Hot swappable; • Rectifier can work together and support load sharing; • The different between rectifier current and average current $\leq 5\%$ @100% load ratio; • Supports CAN bus communication; • Supports LED display module running status; • Supports voltage adjustment, current adjustment, and current sharing; • Meet Rohs requirement.		
Mechanical	Dimension	291mm(L)*106.4mm (W) *41.5mm (H)
	Weight	< 2Kg
	Cooling mode	Forced air cooling, built-in fan (with linear speed regulation function)
Input Protection	Over voltage	290Vac<Input voltage<300Vac: alarm light on, output on; 300Vac<Input voltage: Output off
	Over-voltage recovery	Input voltage<290Vac, automatic recovery
	Under-voltage	Input voltage<80 $\pm$ 5Vac output off
	Under-voltage recovery	Input voltage:80~85VAC, automatic recovery
Output Protection	Current Limiting	Refer to output characteristic curve
	Short-circuit	Long time short-circuited tolerance, can be automatically recovered after the short-circuit disappears.
	Over temperature	With over temperature protection
Surge Protection	Lightning protection	5KA 8/20 μ s
Environment	Operating temperature	-10°C~+75°C
	Relative humidity	5%~95% (no condensation)
	Altitude	≤ 4000 m (from 3000 m to 4000 m, the operating temperature decreases by 1°C for each additional 200 m)
Reliability	MTBF	>500,000 hours (25°C)
Non-Destroy Voltage		0-415VAC, a minimum duration of 5 minutes @415VAC