

## Datasheet Power Converter MSC-Solar



	MSC 250	MSC 500	MSC 750	MSC 1000	MSC 1500	MSC 2000
Rated output power (kW)	250	500	750	1000	1500	2000
Rated output current (A)	235	465	700	930	1395	1865
Rated output frequency (Hz)*	50	50	50	50	50	50
Number of DC-Inputs **	2	2	3	3	4	6
Weight (kg)	2100	2200	2400	2600	2800	3200
Number of cabinet units	1	1	1	1	1	1
Dimensions (WxDxH) in mm	W 3000	W 3000	W 3600	W 3600	W 3600	W 4200
	D 1000	D 1000	D 1000	D 1200	D 1200	D 1200
	H 2400	H 2400	H 2400	H 3000	H 3000	H 3000
Rated output voltage AC	620 V					
Range input voltage DC	200 ... 1200 V DC					
Power factor range	0.9 cap ... 0.9 ind					
Total harmonic distortion	< 3%					
Maximum efficiency	> 98%					
Principle	IGBT					
IGBT switching frequency (kHz)	2 ... 4 kHz					
Protection class	IP 54					
Temperature range	-20°C ... +50°C					
Cooling principle	liquid cooling					
Operating pressure cooling system	3 bar					
Main controller	Siemens Simotion P320-4					
Internal communication bus	Profinet					
External communication interfaces	Ethernet / TCP/IP					

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\* data sheet for 60 Hz on request

\*\* project-specific DC-Inputs possible

*We reserve the right to modify technical specifications without prior notice.*

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