

Datasheet Power Converter MSC Grid & Storage



	MSC 250	MSC 500	MSC 750	MSC 1000	MSC 1500	MSC 2000	MSC 3000
Rated output power (kW)	250	500	750	1000	1500	2000	3000
Rated output current (A)	235	465	700	930	1395	1865	2795
Rated output frequency (Hz)*	50	50	50	50	50	50	50
Number of DC-Inputs **	1	1	2	2	3	4	6
Weight (kg)	1800	2000	2200	2400	2800	3600	4800
Number of cabinet units	1	1	1	1	1	2	2
Dimensions (WxDxH) in mm	W 3000	W 3000	W 3000	W 3600	W 4200	W 3600	W 4200
	D 600	D 600	D 600	D 600	D 600	D 600	D 600
	H 2200	H 2200	H 2200	H 2200	H 2200	H 2200	H 2200
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

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

** project-specific DC-Inputs possible

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