

## Datasheet MSC-System 250 kW to 2.0 MW



	MSCS 250	MSCS 1000	MSCS 2000
Rated output power (kW)	250	1000	2000
Rated output current (A)	235	930	1865
Rated output frequency (Hz)*	50	50	50
Number of DC-Inputs **	1	2	4
Weight (kg) (MSC-Converter + Batteries)	7950	21500	22700
Container	20ft	40ft	40ft
Dimensions (WxDxH) in mm	W 2400	W 2400	W 2400
	D 6000	D 12200	D 12200
	H 2900	H 2900	H 2900
Photovoltaic kWp	200	500	1000
Wind turbine kW	100	500	1000
Diesel Genset kVA	100	500	1000
Lithium-Ion battery storage kWh	250	1000	1000
Rated output voltage AC	230 / 400 V 3-phase		
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		

\* data sheet for 60 Hz on request

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\*\* project-specific DC-Inputs possible

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

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