

Datasheet Power Converter NGC-Wind



	NGC 250	NGC 500	NGC 750	NGC 1000	NGC 1500	NGC 2000	NGC 3000	NGC 4000	NGC 5000	NGC 6000
Rated output power (kW)	250	500	750	1000	1500	2000	3000	4000	5000	6000
Rated output current (A)	235	465	700	930	1395	1865	2795	3725	4655	5585
Rated output frequency (Hz)*	50	50	50	50	50	50	50	50	50	50
Weight (kg)	<i>project-specific depending on wind turbine design</i>									
Number of cabinet units	<i>project-specific depending on wind turbine design</i>									
Dimensions (WxDxH) in mm	<i>project-specific depending on wind turbine design</i>									
	<i>project-specific depending on wind turbine design</i>									
	<i>project-specific depending on wind turbine design</i>									
Rated output voltage (V)	620									
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									
Main controller	Siemens Simotion P320-4 or similar									
Internal communication bus	Profinet IRT									
External communication interfaces	Ethernet / TCP/IP									

Version 1.4 / 08-18

* datasheet for 60 Hz on request

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

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Datasheet Power Converter MSC-Wind



	MSC 250	MSC 500	MSC 750	MSC 1000	MSC 1500	MSC 2000	MSC 3000	MSC 4000	MSC 5000	MSC 6000
Rated output power (kW)	250	500	750	1000	1500	2000	3000	4000	5000	6000
Rated output current (A)	235	465	700	930	1395	1865	2795	3725	4655	5585
Rated output frequency (Hz)*	50	50	50	50	50	50	50	50	50	50
Number of DC-Inputs **	1	1	2	2	3	4	6	8	10	12
Weight (kg)	<i>project-specific depending on wind turbine design</i>									
Number of cabinet units	<i>project-specific depending on wind turbine design</i>									
Dimensions (WxDxH) in mm	<i>project-specific depending on wind turbine design</i>									
	<i>project-specific depending on wind turbine design</i>									
	<i>project-specific depending on wind turbine design</i>									
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									
Main controller	Siemens Simotion P320-4 or similar									
Internal communication bus	Profinet IRT									
External communication interfaces	Ethernet / TCP/IP									

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** project-specific DC-Inputs possible

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