



	3000/5000 MV 3L S WC AND OFFSHORE		8000/16000 MV 3L P WC AND OFFSHORE	
	5000 MV 3L S WC	5000 MV 3L S OFFSHORE	16000 MV 3L P WC	16000 MV 3L P OFFSHORE
Power Wind Turbine				
Power	5,550 kVA	5,550 kVA	4x 4,400 kVA	4x 4,400 kVA
Permanent Nominal Current [A]	1,040 A	1,040 A	4x 830 A	4x 830 A
Efficiency	98%	98%	98%	98%
Electrical Data				
Nominal Voltage [V]	3,100 V ± 10%	3,100 V ± 10%	3,100 V ± 10%	3,100 V ± 10%
Grid Side Frequency [Hz]	50/60 Hz ± 5%	50/60 Hz ± 5%	50/60 Hz ± 5%	50/60 Hz ± 5%
Power Factor	±0.9	±0.9	±0.9	±0.9
Grid Filter				
THD (i)	typ. <5% (configurable)	typ. <5% (configurable)	typ. <5% (configurable)	typ. <5% (configurable)
Generator Filter (dV/dt)				
dV/dt [V/s]	3 kV/μs (configurable)	3 kV/μs (configurable)	3 kV/μs (configurable)	3 kV/μs (configurable)
Vpk Phase to Phase [V]	<6 kV	<6 kV	<6 kV	<6 kV
Vpk Phase to Ground [V]	<6 kV	<6 kV	<6 kV	<6 kV
LVRT				
Chopper Switch	Inside the cabinet	Inside the cabinet	Inside the cabinet	Inside the cabinet
Chopper Resistor	Inside/outside the cabinet	Inside/outside the cabinet	Inside the cabinet	Inside the cabinet
Grid Code	Comply with the strictest grid codes in force	Comply with the strictest grid codes in force	Comply with the strictest grid codes in force	Comply with the strictest grid codes in force
Cooling				
Mix	Deionized water	Deionized water	Deionized water	Deionized water
Flow [l/min]	400 l/min (serial) 720 l/min (parallel)	280 l/min (serial) 500 l/min (parallel)	4x 3,000 MV 3L S WC	4x 3,000 MV 3L S OFFSHORE
ΔP (bar)	TBD	TBD	TBD	TBD
Inlet Temperature [°C]	Total power up to 35°C Derating 2% up to 40°C	Total power up to 35°C Derating 2% up to 40°C	Total power up to 35°C Derating 2% up to 40°C	Total power up to 35°C Derating 2% up to 40°C
Temperature range [°C]	-30°C / 45°C	-30°C / 45°C	-30°C / 45°C	-30°C / 45°C
Mechanical				
Protection Degree (IP)	IP54	IP55	IP54	IP55
Corrosion Class	C4M	C5M	C4M	C5M
Weight [kgf]	5,000 kgf	5,000 kgf	4x 5,000 MV 3L S WC	4x 5,000 MV 3L S OFFSHORE
Overall Dimensions (WxHxD)	3,600x2,200x1,200 mm (wall configuration) 1,800x2,200x2,400 (island configuration)	3,600x2,200x1,200 mm (wall configuration) 1,800x2,200x2,400 (island configuration)	4x 5,000 MV 3L S WC 4x 5,000 MV 3L S WC	4x 5,000 MV 3L S OFFSHORE 4x 5,000 MV 3L S OFFSHORE
Location	Tower Base / Nacelle	Tower Base / Nacelle	Tower Base / Nacelle	Tower Base / Nacelle
Communication Protocol				
All industrial standards supported (Canopen-Profibus / Profinet-Interbus-DeviceNet)				