



	2000/3000 MV 3L S WC AND OFFSHORE		4000/12000 MV 3L P WC AND OFFSHORE	
	3000 MV 3L S WC	3000 MV 3L S OFFSHORE	12000 MV 3L P WC	12000 MV 3L P OFFSHORE
Power Wind Turbine				
Power	3,300 kVA	3,300 kVA	4x 3,300 kVA	4x 3,300 kVA
Permanent Nominal Current [A]	580 A	580 A	4x 580 A	4x 580 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	Water 50% Glycol 50%	Water 50% Glycol 50%	Water 50% Glycol 50%	Water 50% Glycol 50%
Flow [l/min]	280 l/min (serial) 500 l/min (parallel)	280 l/min (serial) 500 l/min (parallel)	4x 3000 MV 3L S WC	4x 3000 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]	2,500 kgf	2,500 kgf	4x 3000 MV 3L S WC	4x 3000 MV 3L S OFFSHORE
Overall Dimensions (WxHxD)	1,600x2,200x1,400 mm (wall configuration) 800x2,200x2,800 (island configuration)	1,600x2,200x1,400 mm (wall configuration) 800x2,200x2,800 (island configuration)	4x 3000 MV 3L S WC 4x 3000 MV 3L S WC	4x 3000 MV 3L S OFFSHORE 4x 3000 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)				