



<b>5000/8000</b>	<b>12000/24000</b>
MV 3L S WC AND OFFSHORE	MV 3L P WC AND OFFSHORE

	8000 MV 3L S WC	8000 MV 3L S OFFSHORE	24000 MV 3L P WC	24000 MV 3L P OFFSHORE
<b>Power Wind Turbine</b>				
Power	8,900 kVA	8,900 kVA	3x 8,900 kVA	3x 8,900 kVA
Permanent Nominal Current [A]	1,500 A	1,500 A	3x 1,500 A	3x 1,500 A
Efficiency	98%	98%	98%	98%
<b>Electrical Data</b>				
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
<b>Grid Filter</b>				
THD (i)	typ. <5% (configurable)	typ. <5% (configurable)	typ. <5% (configurable)	typ. <5% (configurable)
<b>Generator Filter (dV/dt)</b>				
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
<b>LVRT</b>				
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
<b>Cooling</b>				
Mix	Deionized water	Deionized water	Deionized water	Deionized water
Flow [l/min]	260 l/min	260 l/min	3x 8,000 MV 3L S WC	3x 8,000 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
<b>Mechanical</b>				
Protection Degree (IP)	IP54	IP55	IP54	IP55
Corrosion Class	C4M	C5M	C4M	C5M
Weight [kgf]	7,000 kgf	7,000 kgf	3x 8,000 MV 3L S WC	3x 8,000 MV 3L S OFFSHORE
Overall Dimensions (WxHxD)	4,800x2,200x1,200 mm (wall configuration)  2,400x2,200x2,400 mm (island configuration)	4,800x2,200x1,200 mm (wall configuration)  2,400x2,200x2,400 mm (island configuration)	3x 8,000 MV 3L S WC  3x 8,000 MV 3L S WC	3x 8,000 MV 3L S WC  3x 8,000 MV 3L S WC
Location	Tower / Nacelle / Container	Tower / Nacelle / Container	Tower / Nacelle / Container	Tower / Nacelle / Container
<b>Communication Protocol</b>	All industrial standards supported (Canopen-Profibus / Profinet-Interbus-DeviceNet)			