



			1650/9000 LV 2L P WC	1650/9000 LV 2L P OFFSHORE
	1000 LV 2L P WC	1500 LV 2L P WC	1000 LV 2L P OFFSHORE	1500 LV 2L P OFFSHORE
<b>Power Wind Turbine</b>				
Power	up to 6x 1,250 kVA	up to 6x 1,880 kVA	up to 6x 1,250 kVA	up to 6x 1,880 kVA
Permanent Nominal Current [A]	up to 6x 1,050 A	up to 6x 1,575 A	up to 6x 1,050 A	up to 6x 1,575 A
Efficiency	97%	97%	97%	97%
<b>Electrical Data</b>				
Nominal Voltage [V]	690 V ± 10%	690 V ± 10%	690 V ± 10%	690 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. <2.5% (configurable)	typ. <2.5% (configurable)	typ. <2.5% (configurable)	typ. <2.5% (configurable)
<b>Generator Filter (dV/dt)</b>				
dV/dt [V/s]	1 kV/μs	1 kV/μs	1 kV/μs	1 kV/μs
Vpk Phase to Phase [V]	<1.8 kV	<1.8 kV	<1.8 kV	<1.8 kV
Vpk Phase to Ground [V]	<1.8 kV	<1.8 kV	<1.8 kV	<1.8 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	Water cooling	Water cooling	Water cooling	Water cooling
Flow [l/min]	135 l/min	135 l/min	135 l/min	135 l/min
ΔP (bar)	2.25 ± 0.25 bar	2.5 ± 0.25 bar	2.25 ± 0.25 bar	2.25 ± 0.25 bar
Inlet Temperature [°C]	Total power up to 50°C Derating 2% up to 60°C	Total power up to 50°C Derating 2% up to 60°C	Total power up to 50°C Derating 2% up to 55°C	Total power up to 50°C Derating 2% up to 55°C
Temperature range [°C]	-30°C / 50°C	-30°C / 50°C	-30°C / 50°C	-30°C / 50°C
<b>Mechanical</b>				
Protection Degree (IP)	IP54	IP54	IP55 (totally enclosed cabinet)	IP55 (totally enclosed cabinet)
Corrosion Class	C4M	C4M	C5M	C5M
Weight [kgf]	<1,200 kgf per unit	<1,800 kgf per unit	<1,200 kgf per unit	<1,800 kgf per unit
Overall Dimensions (WxHxD)	1,800x2,400x600 per unit	2,100x2,400x600 per unit	1,800x2,400x600 per unit	2,100x2,400x600 per unit
Location	Tower Base / Nacelle	Tower Base / Nacelle	Tower Base / Nacelle	Tower Base / Nacelle
<b>Communication Protocol</b>				
All industrial standards supported (Canopen-Profibus / Profinet-Interbus-DeviceNet)				