INGECON **WIND**

Wind Power Converters

LOW VOLTAGE

	500/1000 LV 3L S WC	1200/4000 LV 3L P WC
	1000 LV 3L S WC	**4000** LV 3L P WC
Power Wind Turbine		
Power	1,150 kVA	4x 1,150 kVA
Permanent Nominal Current [A]	600 A	4x 600 A
Efficiency	97.50%	97.50%
Electrical Data		
Nominal Voltage [V]	690-1000 V ± 10%	690-1000 V ± 10%
Grid Side Frecuency [Hz]	50/60 Hz ± 5%	50/60 Hz ± 5%
Power Factor	±0.9	±0.9
Grid Filter		
THD (i)	typ. <2.5% (configurable)	typ. <2.5% (configurable)
Generator Filter (dV/dt)		
dV/dt [V/s]	1 kV/µs	1 kV/µs
Vpk Phase to Phase [V]	<2.5 kV	<2.5 kV
Vpk Phase to Ground [V]	<2.5 kV	<2.5 kV
LVRT		
Chopper Switch	Inside the cabinet	Inside the cabinet
Chopper Resistor	Inside/outside the cabinet	Inside/outside the cabinet
Grid Code	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%
Flow (l/min)	100 l/min	4x 1000 LV 3L S WC
ΔP (bar)	2.25 ± 0.25 bar	2.25 ± 0.25 bar
Inlet Temperature [°C]	Total power up to 60°C	Total power up to 60°C
Temperature range [°C]	-30°C / 50°C	-30°C / 50°C
Mechanical		
Protection Degree (IP)	IP54	IP54
Corrosion Class	C4M	C4M
Weight [kgf]	<1,300 kgf per unit	4x 1000 LV 3L S WC
Overall Dimensions (WxHxD)	2,000x2,000x600 mm	4x 1000 LV 3L S WC
Location	Tower Base / Nacelle	Tower Base / Nacelle
Communication Protocol		
	All industrial standards supported (Canopen-Profibus / Profinet-Interbus-DeviceNet)	

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