

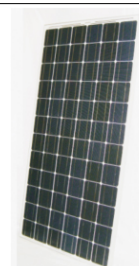
Aurora Stringsizer - Configuration Report

Location	Temperature (°C)	Amb	Cell	Mounting method
CONTINENT Europe	Minimum	-1°C	-1°C	Tilt Angle/ Ground mount
COUNTRY United Kingdom	Average	15°C	45°C	
LOCATION Belfast	Maximum	21°C	51°C	

Inverter Model	PVI-3.6-OUTD
Rated AC Power [kW]/ Rated AC Voltage [V]	3600 / 230
Mppt Configuration	INDEPENDENT MPPT (Num. MPPT ind.: 2)
Total number of PV modules	13
Installed DC Power (STC) [kW]	3055
Notes	



PV Panel (manufacturer / model)	Romag / SMT6 P 235
Tecnology	
STC Rated Power [W]	235
Open Circuit Voltage - Voc [V]	37.32
Short Circuit Current - Isc [A]	8.45
Maximum Power Voltage - Vmp [V]	29.47
Maximum Power Current - Imp [A]	7.96
Temperature Coefficient - Voc [V/°C]	-0.13
Temperature Coefficient - Isc [mA/°C]	3.98



	MPPT1	MPPT2	MPPT3	MPPT4	MPPT5	MPPT6
PV Panels/String	8	5	n/a	n/a	n/a	n/a
Number of Parallel Strings	1	1	n/a	n/a	n/a	n/a
Total number of PV modules	8	5	n/a	n/a	n/a	n/a
Notes		1	n/a	n/a	n/a	n/a
Installed DC Power (STC) [kW]	1.88	1.175	n/a	n/a	n/a	n/a
Maximum Power/MPPT [kW]	3	3	n/a	n/a	n/a	n/a
Load Factor/MPPT [%]	62.67%	39.17%	n/a	n/a	n/a	n/a
PV Panel Max System Voltage [Vdc]	1000	1000	n/a	n/a	n/a	n/a
Inverter Maximum Input Voltage [Vdc]	600	600	n/a	n/a	n/a	n/a
String Open Circuit Voltage @-1°C [Vdc]	325.6	203.5	n/a	n/a	n/a	n/a
String Open Circuit Voltage @51°C [Vdc]	271.5	169.7	n/a	n/a	n/a	n/a
Inverter Activation Voltage (default) [Vdc]	200	200	n/a	n/a	n/a	n/a
Inverter Recommended Activation Voltage [Vdc]	Default (200)	161	n/a	n/a	n/a	n/a
String Max Power Voltage @-1°C [Vdc]	256.6	160.4	n/a	n/a	n/a	n/a
String Max Power Voltage @45°C [Vdc]	219.8	137.4	n/a	n/a	n/a	n/a
String Max Power Voltage @51°C [Vdc]	215	134.4	n/a	n/a	n/a	n/a
Inverter MPP Operating Range* [Vdc]	140 - 530	140 - 530	n/a	n/a	n/a	n/a
PV Array Max Short Circuit Curr. @51°C [Adc]	8.6	8.6	n/a	n/a	n/a	n/a
Inverter Max Short Circuit Current/MPPT [Adc]	20	20	n/a	n/a	n/a	n/a
PV Array MPP Current @51°C [Adc]	8.1	8.1	n/a	n/a	n/a	n/a
Inverter Max MPPT Input Current [Adc]	16	16	n/a	n/a	n/a	n/a
Note Explain	*) Range for MPPT operation considering the voltage default activation; 1)- Designer Note: Reduce activation voltage to 161 V					

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All configurations should be double-checked by a qualified engineer for compliance with the inverter operating parameters, and electrical codes and regulations in effect at the installation site. By using this tool, the user indemnifies PowerOne inc. from any and all consequential damages arising from its use.