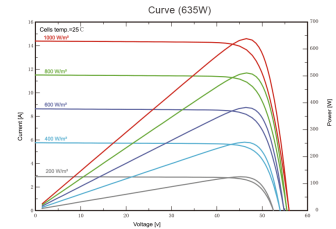


Aurora Pro

SP625~650S8-156GANT

Module Specification

Cell Type	156 [2 x (13 x 6)] / 182*91.875mm
Dimensions (mm)	2465*1134*35
Weight (kg)	35
Front Cover	2.0mm, Anti-Reflection Coating
Rear Cover	2.0mm, Heat Strengthened Glass
Junction Box	IP68 (3 diodes)
Cables	TUV 1x4.0mm ² , (+):300mm(-):200mm or Customized length
Connector Type	MC4-EVO2 / MC4 compatible



Electrical Specifications

Module Type	SP625S8-156GANT		SP630S8-156GANT		SP635S8-156GANT		SP640S8-156ANT		SP645S8-156GANT		SP650S8-156ANT	
Testing Condition	STC ¹	NOCT ²	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	625	473	630	477	635	481	640	485	645	489	650	493
Maximum Power Current (Imp/A)	13.49	10.85	13.55	10.91	13.61	10.97	13.67	11.03	13.73	11.09	13.79	11.15
Maximum Power Voltage (Vmp/V)	46.34	43.59	46.50	43.72	46.66	43.85	46.82	43.97	46.98	44.09	47.14	44.22
Short-circuit Current (Isc/A)	14.27	11.50	14.33	11.55	14.39	11.60	14.45	11.65	14.51	11.70	14.57	11.74
Open-circuit Voltage (Voc/V)	55.55	52.98	55.74	53.17	55.93	53.36	56.12	53.55	56.31	53.74	56.50	53.93
Module Efficiency (%)	22.36		22.54		22.72		22.90		23.07		23.25	

¹ STC: Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

² NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Electrical Specifications(BNPI¹)

Nameplate Power (W)	625	630	635	640	645	650
Maximum Power (Pmax/W)	681	687	692	698	703	709
Maximum Power Current (Imp/A)	14.70	14.77	14.83	14.90	14.97	15.03
Maximum Power Voltage (Vmp/V)	46.34	46.50	46.66	46.82	46.98	47.14
Short-circuit Current (Isc/A)	15.55	15.62	15.69	15.75	15.82	15.88
Open-circuit Voltage (Voc/V)	55.55	55.74	55.93	56.12	56.31	56.50

¹ BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5

Temperature Characteristics

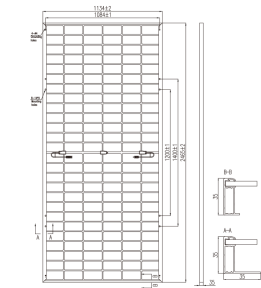
Nominal Operating Cell Temperature (NOCT/°C)	42±2
Temperature Coefficient of Pmax (%/°C)	-0.310
Temperature Coefficient of Voc (%/°C)	-0.26
Temperature Coefficient of Isc (%/°C)	+0.046

Packaging

Container	20GP	40HQ
Pallet Dimensions (mm)	2505*1135*2220	2505*1135*2540
Pieces per Pallet	54	62
Pieces per Container	216	496

Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC (IEC)
Overcurrent Protection Rating (A)	30
Protection Class	Class II
Max. Test Load, Push/Pull (Pa)	Front 5400 / Back 2400



Note: 400mm hole distance is only applicable when specified by the customer



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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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