

tindo walara 560-575 G3P

Electrical Characteristics [Power tolerance 0 / + 5W]

Model Name		Walara-560G3P		Walara-565G3P		Walara-570G3P		Walara-575G3P	
*STC / **NMOT	Unit	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Max. Power	Wp	560	426.8	565	430.5	570	434.4	575	438.2
Max. Power Voltage	V	42.91	40.46	43.06	40.60	43.21	40.74	43.36	40.88
Max. Power Current	A	13.05	10.55	13.12	10.60	13.19	10.66	13.26	10.72
Open Circuit Voltage	V	51.87	49.30	52.02	49.44	52.17	49.58	52.32	49.73
Short Circuit Current	A	13.80	11.13	13.89	11.20	13.98	11.27	14.06	11.34
Module Efficiency	%	21.7		21.9		22.1		22.3	

*STC (Standard Test Condition): 1,000 W/m² , AM 1.5, 25°C

**NMOT(Nominal Module Operating Temperature) : Irradiance at 800W/m, Ambient Temperature 20°C, Wind Speed 1m/s, air mass of AM1.5

Tolerance of Measuring Pmax, Voc & Isc $\pm 3\%$ within each watt class at STC

Mechanical Characteristics

Cells per panel	144 Half Cells
Cell Type	N-type Cells (182 x 182mm)
Panel Dimension	2277 x 1133 x 35 mm
Panel Weight	28 Kg
Front Glass	3.2mm Fully tempered Double ARC Glass
Frame	Anodized Aluminum Alloy (T6) / Black
Junction Box	3 bypass diodes / IP68 rated
Cable	500 mm(+/-), 4mm ² or Customised Length
Connector Type	Stabli – MC4 / KST 4-EVO2(M), KBT4-EV02(F)

Thermal Characteristics

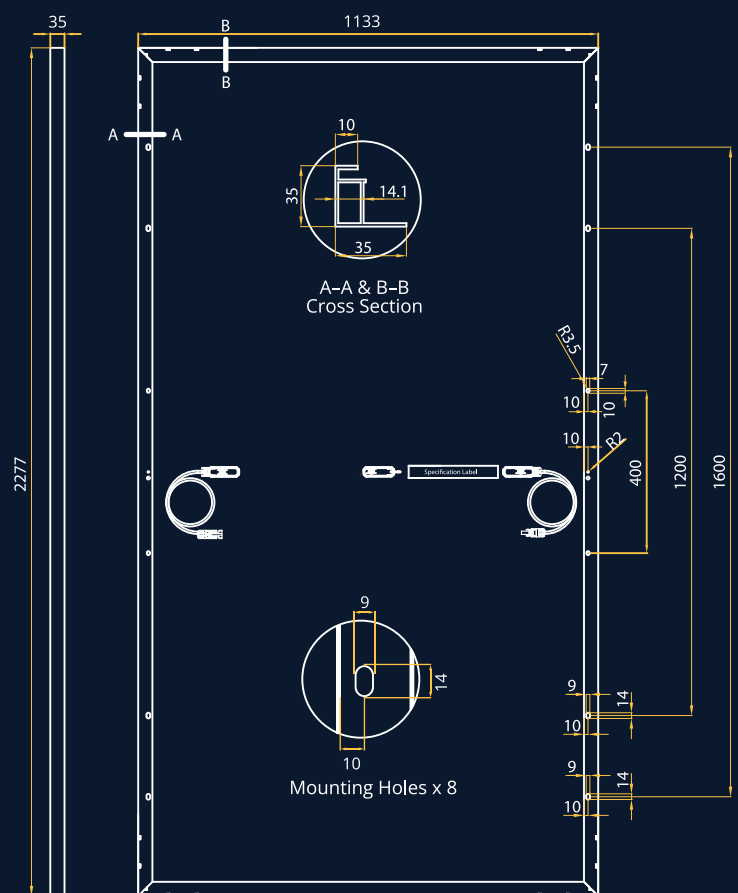
Operating Temperature		%	-40 ~ +85
Maximum System Voltage (IEC)		VDC	1500
Maximum Series Fuse Rating		A	30
Thermal Coefficient	Isc	%/°C	0.045
	Voc	%/°C	-0.25
	Pmax	%/°C	-0.32

Qualification Test

Thermal cycling test	-40°C to 85°C for 200 cycles
Damp heat test	85°C and 85% relative humidity for 1000 hr
Front Load test	5400Pa
Rear Load test	2400Pa
Hail Impact test	25mm hail at 23m/s from 1m distance
Cyclone tested by Structural Engineering Consultants Australia (SECA) Pty Ltd - certificate available on request	
# Safety factor of *static load test: 1.5 (Test load = Design load x Safety factor)	
# NexTracker installation : Front load 2400 Pa / Back Load 1800 Pa	

Packaging

Stacking Method	Horizontal	Vertical (Optional)
Panels per Pallet	30	31
Loading Capacity (40HQ)	600	620



Safety Ratings & Warranties

Safety Application Class	Class II
Fire Safety Classification	Class C
Certifications	IEC 61215 , IEC 61730
Warranty	25 years limited product warranty
Performance Guarantee	25 years limited warranty 87.4% power

Note:

- The specifications included in this datasheet are subject to change without notice.
- The electrical data given here is for reference purpose only.
- Manufactured in Australia by Tindo Operations Co Pty Ltd, 6-8 Park Way, Mawson Lakes, SA 5095