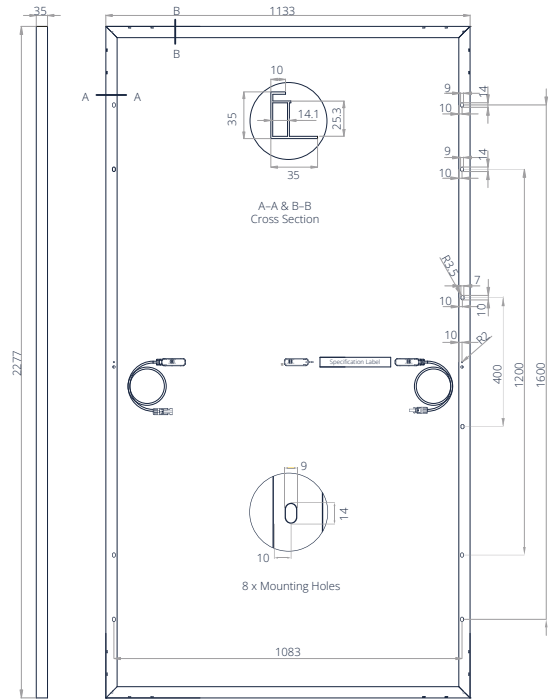


Walara 560-565G3P-BL Data Sheet



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	Staubli - MC4 / KST 4-EVO2(M), KBT4-EV02(F)

Electrical characteristics

[Positive power tolerance 0 ~ + 5]

ITEM	UNIT	Walara-560G3P-BL		Walara-565G3P-BL	
		STC*	NMOT**	STC*	NMOT**
Max. Power (Pmax)	Wp	560	426.8	565	430.5
Max. Power voltage (Vmp)	V	42.91	40.46	43.06	40.6
Max. Power current (Imp)	A	13.05	10.55	13.12	10.6
Open circuit voltage (Voc)	V	51.87	49.3	52.02	49.44
Short circuit current (Isc)	A	13.8	11.13	13.89	11.2
Module efficiency	%		21.5		21.9

*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 ± 3% within each watt class at STC

Thermal Characteristics

RATING	UNIT	VALUE	
Operating Temperature	°C	-40 ~ +85	
Maximum System Voltage (IEC)	VDC	1500	
Maximum Series Fuse Rating	A	30	
Nominal Module Operating Temperature	°C	45 ± 2	
Temperature 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
Mechanical Load test	5400Pa (Front) / 2400Pa (Rear)
PID test	1500 VDC, 96h, 85% RH, 85°C
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 1800 Pa / Back Load 1800 Pa

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

Packaging

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

Walara 560-565G3P-BL V10-250217 - Note:

- The specifications included in this datasheet are subject to change without notice.
- The electrical data given here is for reference purpose only.