

Making more power



HiMAX 5C

565-600W

SP600M-72H

High Efficiency Back Contact
Solar PV Module

High-efficiency Cells

The cell efficiency is higher than 25%

Outstanding Performance

HiMAX 5C improves power generation capacity greatly with comprehensive upgrade of Back Contact cells and modules.

Aesthetic Appearance

HiMAX 5C simplifies the complexity and redefines the aesthetic concept of photovoltaic modules.

Market-leading Reliability

HiMAX 5C pioneers the adoption of full back welding technology to efficiency improve the resistance to micro cracking of mouldles.

Optimized Balance of System(BOS)

Significant savings on mounting structure, cabling, and labour cost.

Quality Management System and Product Certification

IEC61215, IEC 61730, UL 61730

ISO9001: 2015: ISO Quality Management System

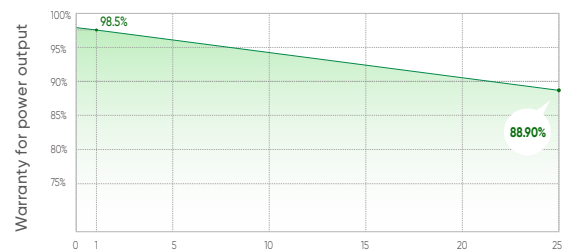
ISO14001: 2015: ISO Environment Management System

ISO45001: 2018: occupation health and safety

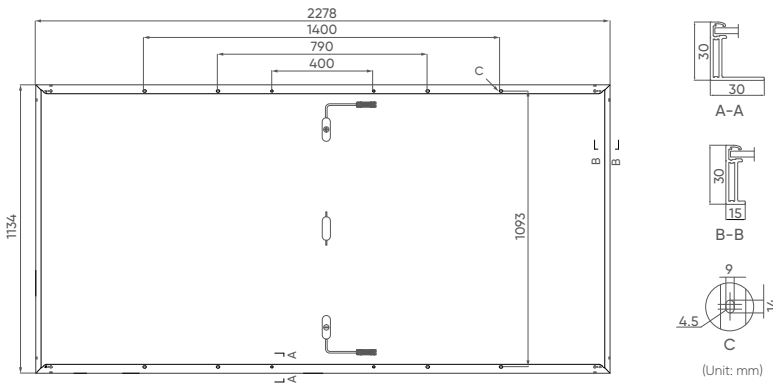
IEC62941: Guideline for module design qualification type approval

Quality Guarantee

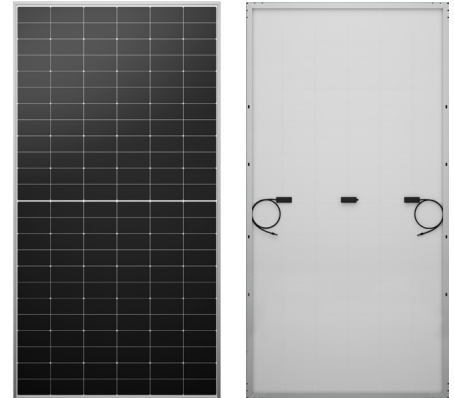
15 YEAR Warranty for Materials and Processing **25 YEAR** Warranty for Extra Linear OutPut



Drawings



Product Image



Mechanical Characteristics

Cell Orientation	144 (6×24)
Junction Box	IP68
Output Cable	4mm ² , +400, -200/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminium alloy frame
Weight	27.2kg
Dimension	2278 × 1134 × 30mm
Packaging	36pcs per pallet / 180pcs per 20'GP / 720pcs per 40'HC
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone	25mm Hailstone at the speed of 23m/st

Operating Characteristics

Operating Module Temperature	-40°C~ +85°C
Power Output Tolerance	0~3%
VOC and Isc Tolerance	±3%
Maximum Series Voltage	DC1500 (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C

Temperature Characteristics

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Pmax	-0.230%/°C
Temperature Coefficient of Voc	-0.290%/°C

Electrical Parameters (STC*)

Module Type: SP600M-72H	565	570	575	580	585	590	595	600
Maximum power (Pmax/W)	565	570	575	580	585	590	595	600
Open Circuit Voltage (Voc/V)	51.76	51.91	52.06	52.21	52.36	52.51	52.66	52.81
Short Circuit Current (Isc/A)	14.01	14.07	14.14	14.20	14.27	14.33	14.40	14.46
Voltage at Maximum power (Vmpp/V)	43.61	43.76	43.91	44.06	44.21	44.36	44.51	44.66
Current Maximum Power (Impp/A)	12.96	13.03	13.10	13.17	13.24	13.31	13.37	13.44
MODULE EFFICIENCY (%)	21.9	22.1	22.3	22.5	22.6	22.8	23.0	23.2

Electrical Parameters (NOCT*)

Maximum power (Pmax)	422	426	430	433	437	441	445	448
Open Circuit Voltage (Voc/V)	48.60	48.74	48.88	49.02	49.16	49.30	49.44	49.58
Short Circuit Current (Isc/A)	11.31	11.36	11.42	11.47	11.52	11.57	11.63	11.68
Voltage at Maximum power (Vmpp/V)	39.79	39.93	40.07	40.20	40.34	40.48	40.62	40.75
Current Maximum Power (Impp/A)	10.61	10.68	10.73	10.78	10.84	10.90	10.97	11.00

*STC: AM1.5 1000W/m² 25°C *NOCT: AM1.5 800W/m² 20°C 1m/s