

TECHNICAL DATASHEET

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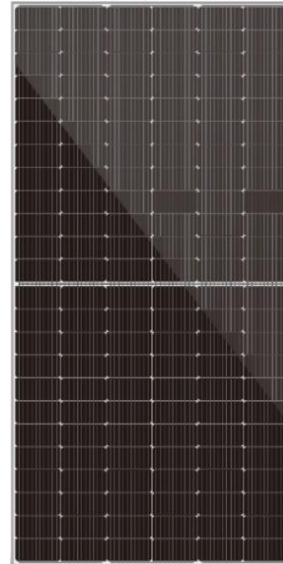
550W SOLAR PANEL

Description

High-efficiency half-cell photovoltaic module.

Advantages

- ✓ With Multi Bus Bar technology
- ✓ Stability in performance
- ✓ Higher energy gains and lower losses
- ✓ More power generation thanks to a larger surface area
- ✓ Optimised and improved process to reduce the risk of hot spots
- ✓ High adaptability to environmental factors and high durability
- ✓ With PERC (*Passivated Emitter Rear Cell*) technology



Mechanical specifications

Cells type	Mono (Type-P), 182x91mm
Number of cells	144 (6x24)
Number of Bus Bars per photocell	10 Bus Bar
Glass	3.2mm high transmission, anti-reflective coating
Output cable (connector included)	Diameter: 4.0mm ² Length: 1400mm
Junction box	IP68, 3 Bypass diodes
Connector	MC4 compatible
Dimension (LxWxH)	2279x1134x35mm
Weight	29kg

Performance specifications

Maximum system voltage	1500V DC
Operating temperature	-40~+85°C
Maximum series fuse rating	25A
Snow load, front side	5400Pa
Wind load, back side	2400Pa
Nominal cell operating temperature	42°C±2°C
Application level	Class A

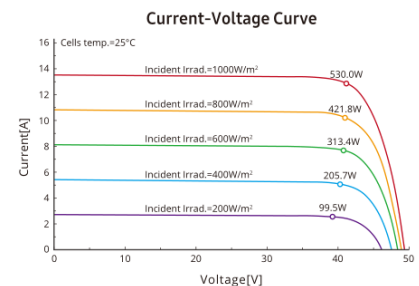
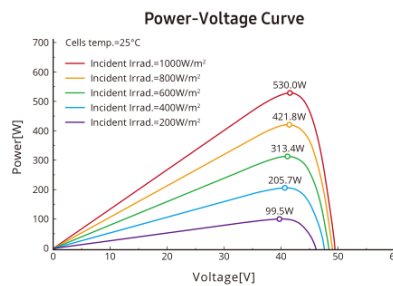
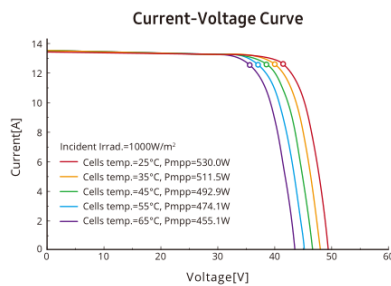
Electrical specifications STC (Standard Test Condition)

Maximum power	550W
Open-circuit voltage	50.2V
Maximum power voltage	42.4V
Short-circuit current	13.78A
Maximum power current	12.97A
Module efficiency	21.28%

Electrical specifications NOCT (Normal Operation Cell Temperature)

Maximum power	409W
Open-circuit voltage	47.1V
Maximum power voltage	39.8V
Short-circuit current	11.13A
Maximum power current	10.29A

I-V Curve



Packaging

Pallet size	2310x1115x1255mm
Packed	31pcs/pallet, 620pcs/40HQ
Total weight (pallet + 31 solar panels)	925kg

Measures

