

Solar Panel, Solar Modules, Solar Photovoltaic Modules, PV Modules

PVSK-525

PVSK-530

PVSK-535

PVSK-540

PVSK-545

PVSK-550

MONO HALF -CELL 10 BB

Explain Model No	Product name	Half-Cell	Solar Cell Type	Wattage	Silicon Type
		PVSK-550	144 PCS	182 × 182 mm	550W

Remark: PVSK-550 is most common model.

Features

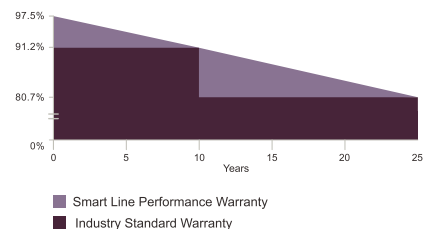
- Tempered and high transparent low-iron glass**
 directs more light on the solar cells, resulting in a higher energy yield.
- Excellent low-light performance**
 produces energy even at low light levels, especially in the morning, evening and winter season.
- Special and advanced module sealing technology**
 to avoid leakage and frame deformation.
- Well-suited module size**
 for almost all PV applications.
- Durable PV modules**
 can be used for harsh environmental conditions, such as exposure to salt mist, and known potential induced degradation risk factors.



Warning: Read the Installation and User Manual in its entirety before handling, installing, and operation smart Solar modules.



Module Warranty



25-year limited warranty of 80% power output;
 12-year limited warranty of 90% power output;
 10-year limited warranty of materials and workmanship.

Note: Specifications are subject to change without further notice.

Solar Panel, Solar Modules, Solar Photovoltaic Modules, PV Modules

PVSK-525

PVSK-530

PVSK-535

PVSK-540

PVSK-545

PVSK-550

21.5%
MAX MODULE
EFFICIENCY

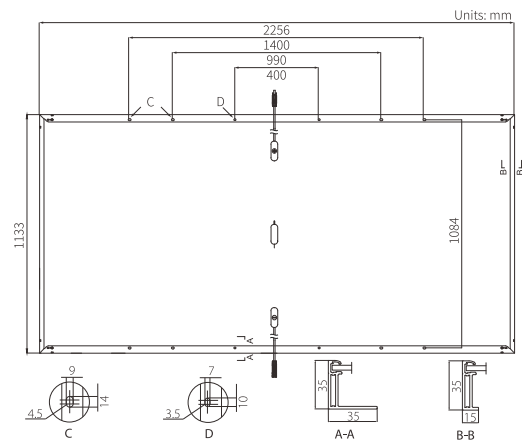
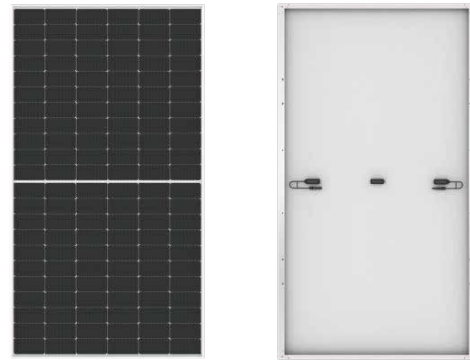
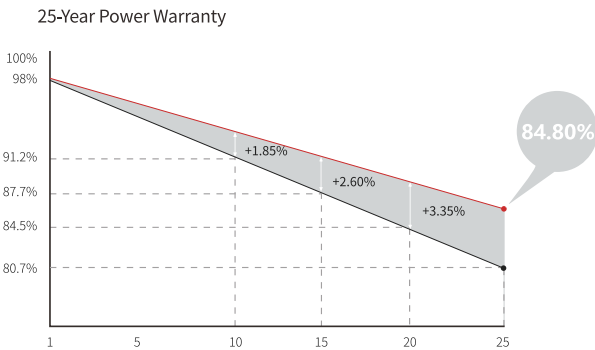
0~+5W
POWER
TOLERANCE

<2%
FIRST YEAR
POWER DEGRADATION

0.55%
YEAR 2-25
POWER DEGRADATION

HALF-CELL
Lower operating temperature

Additional Value



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , positive 400 / negative 200mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.2kg
Dimension	2256×1133×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 620pcs per 40' HC

Electrical Characteristics

STC : AM1.5 1000W/m² 25°C Test uncertainty for Pmax: ±3%

Model	PVSK-525	PVSK-530	PVSK-535	PVSK-540	PVSK-545	PVSK-550
Maximum Power (Pmax/W)	525	530	535	540	545	550
Open Circuit Voltage (Voc/V)	49.05	49.20	49.35	49.50	49.65	49.80
Short Circuit Current (Isc/A)	13.65	13.71	13.78	13.85	13.92	13.98
Voltage at Maximum Power (Vmp/V)	41.20	41.35	41.50	41.65	41.80	41.95
Current at Maximum Power (Imp/A)	12.75	12.82	12.90	12.97	13.04	13.12
Module Efficiency(%)	20.5	20.7	20.9	21.1	21.3	21.5

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ +5 W
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.350%/°C