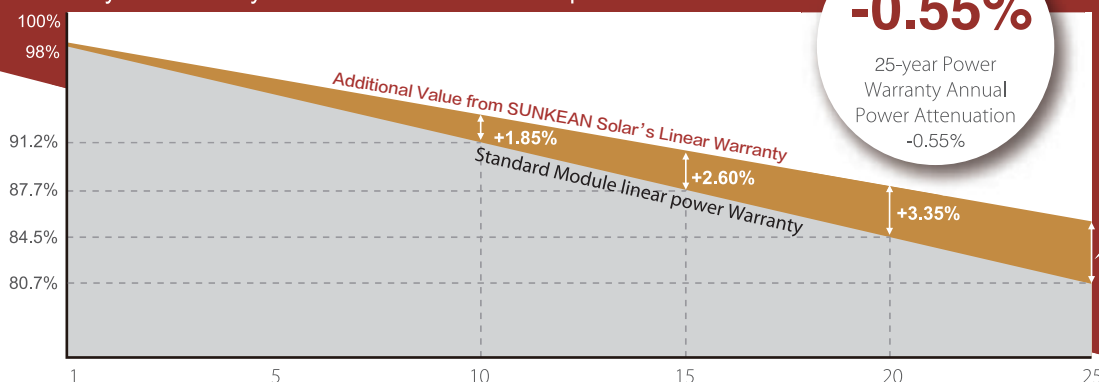


# SK5-72HPH 525~545M

**High Efficiency  
Low LID Mono PERC with  
Half-cut Technology**

12-year Warranty for Materials and Processing;  
25-year Warranty for Extra Linear Power Output



**+4.10%**

**-0.55%**

25-year Power  
Warranty Annual  
Power Attenuation  
-0.55%

## Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

OHSAS 18001: 2007 Occupational Health and Safety



\*Specifications subject to technical changes and test.  
SUNKEAN Solar reserves the right of interpretation.

**Positive power tolerance** (0 ~ +5W) guaranteed

**High module conversion efficiency** (up to 21.3%)

**Slower power degradation** enabled by Low LID Mono PERC technology: first year <2%,  
0.55% year 2-25

**Solid PID resistance** ensured by solar cell process optimization and careful module BOM  
selection

**Reduced resistive loss** with lower operating current

**Higher energy yield** with lower operating temperature

**Reduced hot spot risk** with optimized electrical design and lower operating current

*solar*  
**SUNKEAN**  
三 钧 能 源

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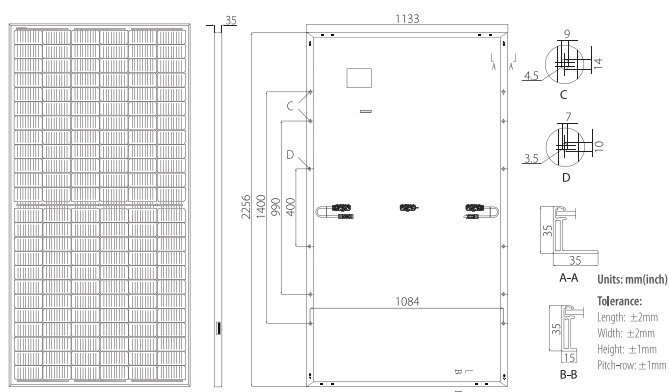
Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. SUNKEAN have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.

# SK5-72HPH 525~545M

## Design (mm)

## Mechanical Parameters

## Operating Parameters



Cell Orientation: 144 (6×24)  
Junction Box: IP68, three diodes  
Output Cable: 4mm<sup>2</sup>, positive pole 400mm  
and negative pole 200mm in length,  
length can be customized

Glass: Single glass  
3.2mm coated tempered glass  
Frame: Anodized aluminum alloy frame  
Weight: 27.2kg

Weight: 27.2kg  
Dimension: 2256×1133×35mm  
Packaging: 31pcs per pallet  
155pcs per 20'GP  
620pcs per 40'HC

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  
Safety Protection Class: Class II  
Fire Rating: UL type 1 or 2

## Electrical Characteristics

Test uncertainty for Pmax:  $\pm 3\%$

Model Number	SK5-72HPH-525M		SK5-72HPH-530M		SK5-72HPH-535M		SK5-72HPH-540M		SK5-72HPH-545M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	525	392.1	530	395.8	535	399.5	540	403.3	545	407.0
Open Circuit Voltage (Voc/V)	49.05	45.98	49.20	46.12	49.35	46.26	49.50	46.41	49.65	46.55
Short Circuit Current (Isc/A)	13.65	11.04	13.71	11.09	13.78	11.15	13.85	11.20	13.92	11.25
Voltage at Maximum Power (Vmp/V)	41.20	38.36	41.35	38.50	41.50	38.64	41.65	38.78	41.80	38.92
Current at Maximum Power (Imp/A)	12.75	10.23	12.82	10.28	12.90	10.34	12.97	10.40	13.04	10.46
Module Efficiency(%)	20.5		20.7		20.9		21.1		21.3	
STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 C , Spectra at AM1.5										
NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20 C , Spectra at AM1.5, Wind at 1m/S										

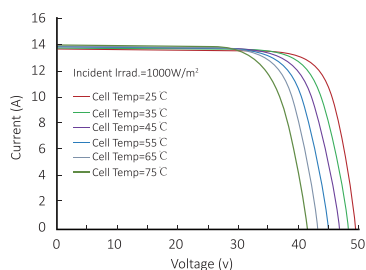
### Temperature Ratings (STC)

## Mechanical Loading

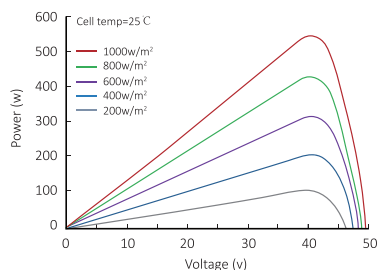
Temperature Coefficient of Isc	+0.048%/°C	Front Side Maximum Static Loading	5400Pa
Temperature Coefficient of Voc	-0.270%/°C	Rear Side Maximum Static Loading	2400Pa
Temperature Coefficient of Pmax	-0.350%/°C	Hailstone Test	25mm Hailstone at the speed of 23m/s

## I-V Curve

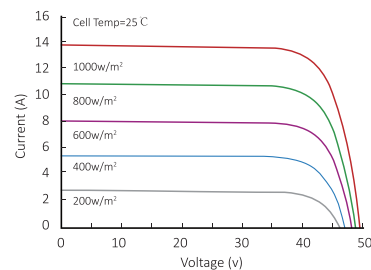
### Current-Voltage Curve (SK-72HPH-530M)



### Power-Voltage Curve (SK-72HPH-530M)



### Current-Voltage Curve (SK-72HPH-530M)



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