

Sunny Inspire

145W Solar PV Module

SunPower IBC

- Made with 125mm SunPower Interdigitated Back Contact solar cells
- Aesthetically using clear surface back-contact cells
- Cells with High conversion efficiency above 24%
- Performs well in diffuse light and high-temperature conditions
- Excellent performance under low light conditions



Electrical Specifications

Model Type	SA-H145	SA-H145
Peak Power (Pmax)	145W	145W
Module Efficiency	20.20%	20.20%
Maximum Power Voltage (Vmp)	18.3V	36.6V
Maximum Power Current (Imp)	7.92A	3.96A
Open Circuit Voltage (Voc)	21.6V	43.2V
Short Circuit Current (Isc)	8.36A	4.18A
Power Tolerance	-5% / + 10%	
Maximum System Voltage	600V	
Normal Operating Cell Temp.	46 °C (+/- 2)	

Mechanical Specifications

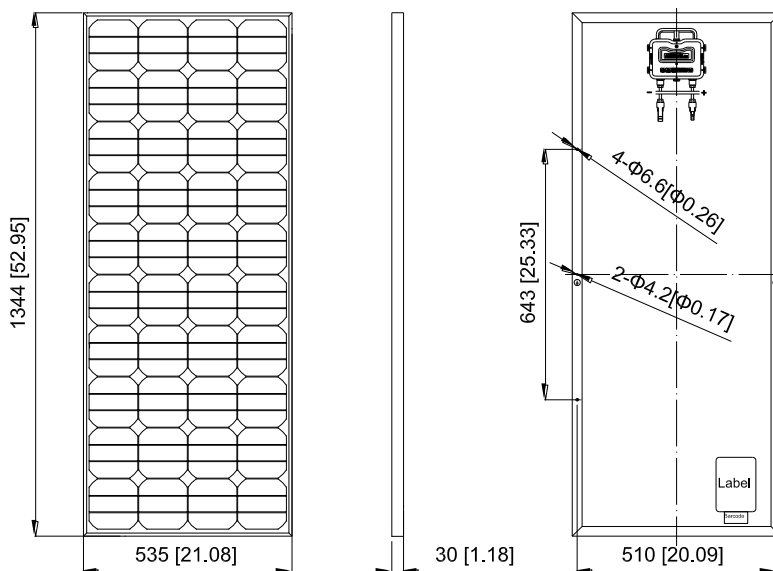
Cell type	IBC
Number of cells	Total 120 cells, 30 cells in series
Weight	8.5kg [18.74lbs]
Dimensions	1344 x 535 x 35mm [52.91 x 21.47 x 1.38in]
Frame	> 15μm clear anodized aluminum
Junction Box	IP 65 waterproof
Cables	4.00mm ² , 900mm
Connectors	MC4 compatible

Temperature Coefficients

Power	-0.27%/°C
Voltage	-0.236%/°C
Current	0.058%/°C

Warranties & Certifications

Warranties	5 years product warranty, 20 years limited power warranty of 80% of the minimum specified power rating
Certificates	CE



Unit: mm [inch]

Note: All electrical parameters are rated at standard test conditions (irradiance of 1000W/m², AM 1.5G, cell temperature 77°F/25°C)

Caution: Read Safety and Installation Instruction before using this product.

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Specifications included in this datasheet are subject to change without notice.

Sunny Inspire Limited

www.sunnyinspire.com

Rm 1505, 15/F Star House, No. 3 Salisbury Rd, TST, KLN, Hong Kong | Tel: +852-2736 2080 | info@sunnyinspire.com