

Data Sheet

Solar Panel Polycrystalline Reliable Series

HERSIC-SP270W-60P

12
busbar

**Graphene
Coated**

SELF CLEANING
Solar panel

25 YEARS
EFFICIENCY WARRANTY

10 YEARS
PRODUCT WARRANTY

ELECTRICAL DATA

Maximum Power	P_{max}	270W
Optimum Power Voltage	V_{mpp}	31.12V
Optimum Operating Current	I_{mpp}	8.68A
Open Circuit Voltage	V_{oc}	37.82V
Short Circuit Current	I_{sc}	9.18A
Module Efficiency	Eff.	16.50 %
Tolerance Wattage	ΔP_{max}	0-3 %
NOCT	$^{\circ}C$	45 \pm 2

TEMPERATURE COEFFICIENTS

Temperature Coefficients of I_{sc}	α_{Isc}	%/ $^{\circ}C$	0.06
Temperature Coefficients of V_{oc}	β_{Voc}	%/ $^{\circ}C$	-0.33
Temperature Coefficients of V_m	P_{max}	%/ $^{\circ}C$	-0.40

COMPONENTS & MECHANICAL DATA

Cell (material / Dimensions)	Poly / 156 x 156mm 156.75 x 156.75 mm
Number of Cell(pcs)	60 (6x10)
Size of Module (L / H / W)	1650mm x 992mm x 35mm
Front cover (material / Thickness)	High Transparency low-iron tempered glass / 3.2mm (AR-coating)
Maximum Load (snow/wind)	5400 Pa / 2400Pa
Max hailstone impact (Diameter)	25mm / 23m/s
Weight Per Piece	19.5 Kg
Junction Box (Protection degree)	\geq IP68, 3 diodes
Cable & Connector Type	1000 mm / 4mm ² & MC4 compatible
Frame (material / color)	Anodized aluminum alloy / silver
Backsheet (color)	White
Operating temperature range	-40 $^{\circ}C$ to 85 $^{\circ}C$
Limiting reverse current	15A
Max. system voltage	1000/1500 V DC

BENEFITS



Modules sorted by current, optimizing system power generation.



High Efficiency



Stable Power



Low Carbon Emission



Excellent Weather Resistance

Address: 400 Applewood Crescent, Suite 100,
Vaughan, ON, L4K 0C3, Canada.

Toll Free: (888)-383-7329

E-mail: info@hersic.com

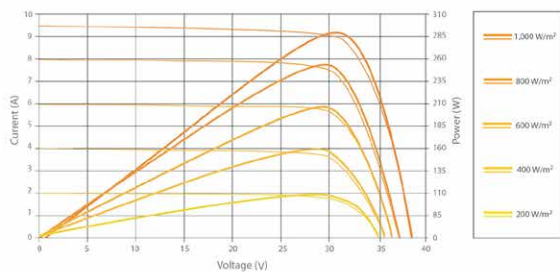
www.hersic.com

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ELECTRICAL CURVES:



PACKING

Pieces per box	30 pcs. (35mm)
Pieces per container 40'HQ	896 pcs. (35mm)

WARRANTY

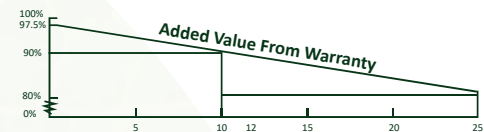
POWER WARRANTY

25 YEAR 80.7% Power Output Warranty

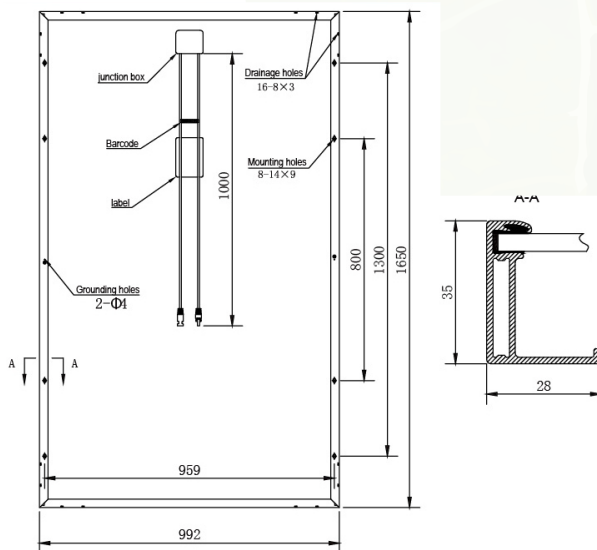
PRODUCT WARRANTY

10 YEAR Product Warranty

10 YEAR Material & Workmanship Warranty



ENGINEERING DRAWINGS



FEATURES

Good low-light performance

Excellent performance under low-light environments

High efficiency

Dense bus bars shorten the current conduction distances between bars and lower serial resistance; increases 7-8W power output.

High efficiency

Collected more current, almost no power generation efficiency losses by internal cells cracked.

Improve reliability

improve product reliability; minimize the probability of pressure and battery fragmentation caused by thermal stress.

Longer life time

Minimize the heat resistance due to internal cracks, bringing longer life span and less attenuation.

CERTIFICATIONS

IEC 61215, IEC 61730, CE, IEC 62804 (PID Fre), UL 1703, J-PEC, PV CYCLE
IEC/EN 61701, IEC 62716



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

Version 2.1 - Sep 01 - 2018