Solarshop TH
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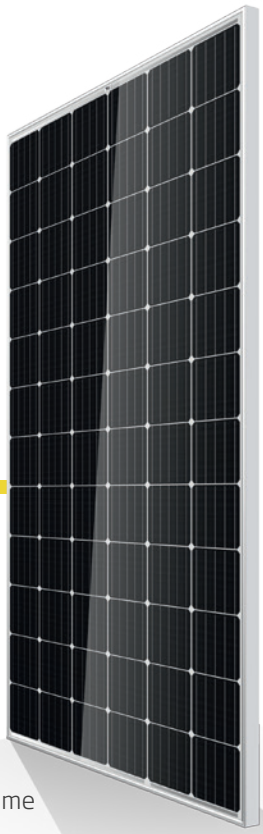
FRAMED 72-CELL MODULE



72 CELL
MONOCRYSTALLINE MODULE

340-350W
POWER OUTPUT RANGE

20.1%
CELL EFFICIENCY

0/+5W
POSITIVE POWER TOLERANCE

Ideal for large scale installations
- High power footprint reduces installation time & BOS costs

Excellent low light performance on cloudy days, mornings and evenings
- Advanced surface texturing
- Back surface field
- Selective emitter

Maximize Limited Space with high efficiency
- Up to 193 W/m² power density
- Low thermal coefficients for greater energy production at high operating temperatures

Highly reliable due to stringent quality control
- All modules have to pass electroluminescence (EL) inspection
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 1000 V UL/1000 V IEC certified

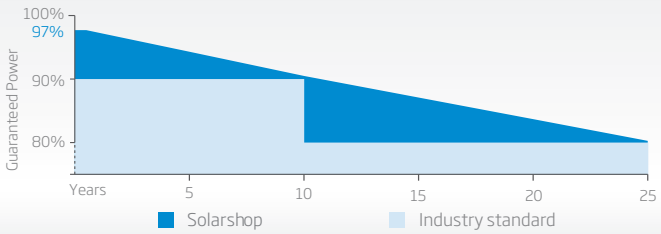
Certified to withstand challenging environmental conditions
- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h
- Ammonia resistance
- Salt mist resistance
- Resistance to sand and dust abrasion

Comprehensive Product And System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gas Emissions Verification
OHSAS 18001: Occupational Health and Safety Management System

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty



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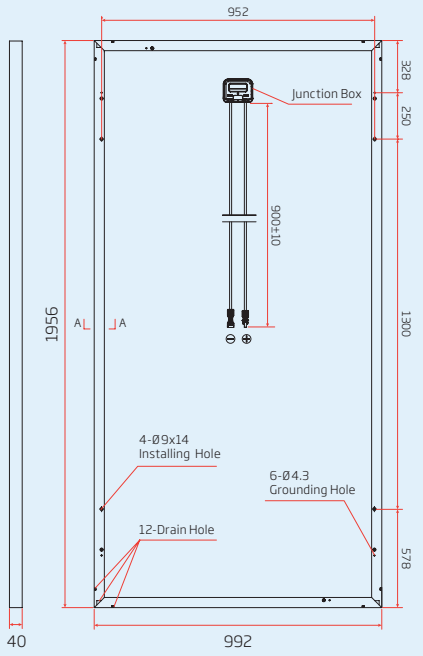
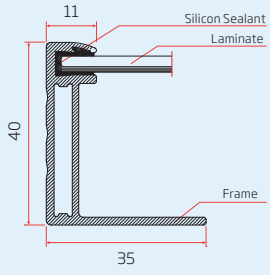
FRAMED 72-CELL MODULE

DIMENSIONS OF PV MODULE
(unit: mm)

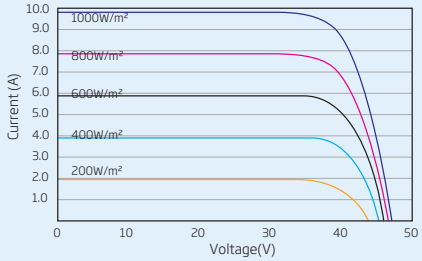


Back View

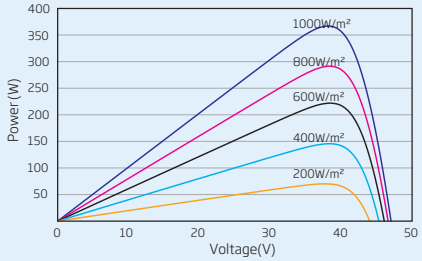


(A-A)

I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



ELECTRICAL DATA @ STC

Peak Power Watts-P_{MAX} (Wp)*	340	345	350
Power Output Tolerance-P_{MAX} (W)	0/+5	0/+5	0/+5
Maximum Power Voltage-V_{MPP} (V)	37.5	37.9	38.0
Maximum Power Current-I_{MPP} (A)	9.06	9.11	9.21
Open Circuit Voltage-V_{OC} (V)	46.3	46.9	46.9
Short Circuit Current-I_{SC} (A)	9.84	9.96	10.08
Module Efficiency η_m (%)	17.5	17.7	18.0

STC: Irradiance 1000 W/m², Cell Temperature 25 °C, Air Mass AM1.5
* Measuring tolerance: ±3%

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 × 156.75 mm
Cell Orientation	72 cells (6 x 12)
Module Dimensions	1956 × 992 × 40 mm
Weight	22.5kg
Glass	3.2mm; high transparency, AR coated and heat tempered solar glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm2, 900 mm
Connector	EU Countries: 28 MC4 / UTX / TS4, Non-EU Countries: 28 QC4 / TS4

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2K)
Temperature Coefficient of P_{MAX}	- 0.39%/K
Temperature Coefficient of V_{OC}	- 0.29%/K
Temperature Coefficient of I_{SC}	0.05%/K

MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1000 V DC (IEC) 1000 V DC (UL)
Max Series Fuse Rating*	15 A
Mechanical Load	5400 Pa
Wind Load	2400 Pa

*DO NOT connect fuse in combiner box with two or more strings in parallel connection

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Performance Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box:	26 pieces
Modules per 40' container:	616 pieces