



## FRAMED 72-CELL MODULE

**72 CELL**  
MONOCRYSTALLINE MODULE

**340-350W**  
POWER OUTPUT RANGE

**20.1%**  
CELL EFFICIENCY

**0/+5W**  
POSITIVE POWER TOLERANCE

### 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



#### 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/m<sup>2</sup> 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

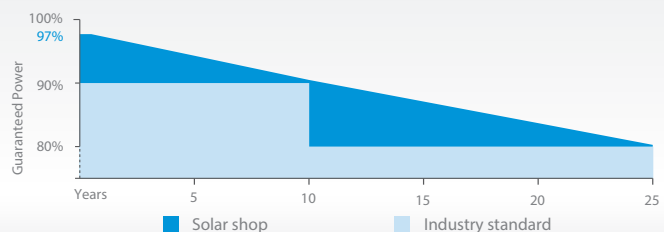


#### Certified to withstand challenging environmental conditions

- 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

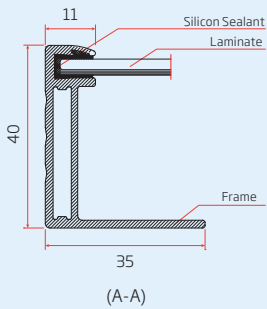
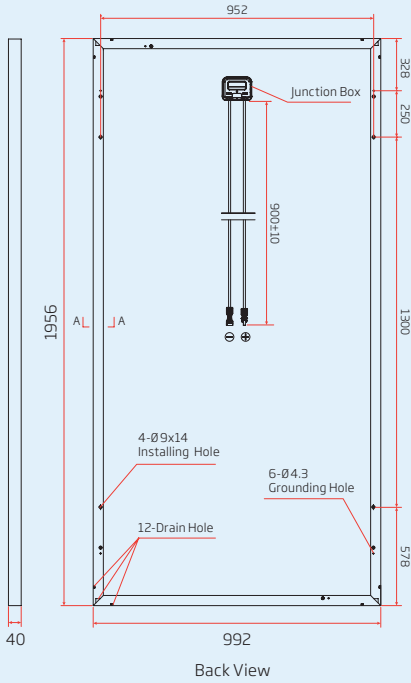
### LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty

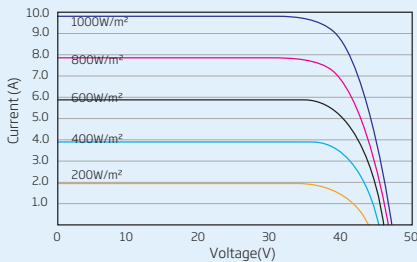




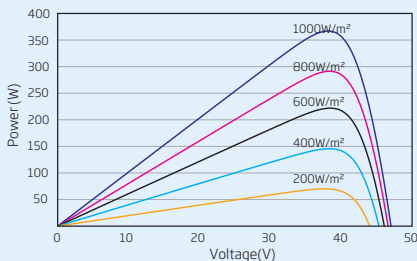
### DIMENSIONS OF PV MODULE (unit: mm)



### 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 $\eta_m$ (%)	17.5	17.7	18.0

STC: Irradiance 1000 W/m<sup>2</sup>, 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 4.0mm <sup>2</sup> , 900 mm
Connector	EU Countries: 2B MC4 / UTX / TS4, Non-EU Countries: 2B 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	1000VDC (IEC) 1000VDC (UL)
Max Series Fuse Rating*	15A
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