



Solar Module **SST Range 155W to 180W**

The SST solar module range is designed and built to deliver the highest efficiency and reliable power for on-grid residential and commercial systems world wide.

The SST range features superior power conversion efficiency of up to 14.5% and exceptional low light performance and uniform appearance.

Features

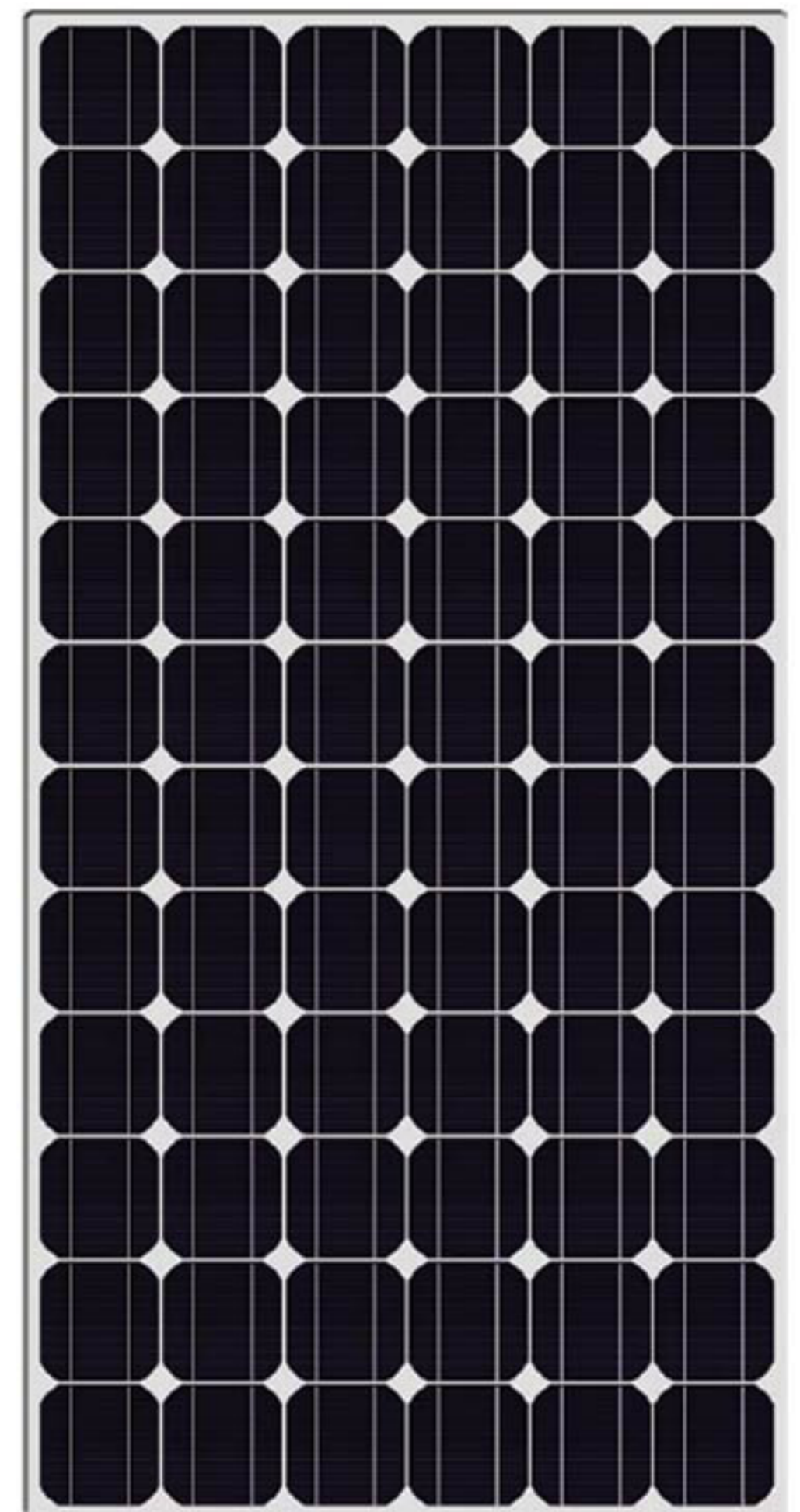
- 72 x 125mm square, mono-crystalline high efficiency silicon cells
- Lightweight and rigid anodised aluminium frame
- High transmittance & impact resistant tempered solar grade glass
- Advanced EVA encapsulated multi layer backsheet
- Dark blue silicon nitride anti-reflection film on cells
- Multi Contact quick-connect junction box/output leads
- 25 yr power output & 5 yr product defects warranty
- Design qualified to IEC 61215 international standards

Materials

- 125mm x 125mm mono-silicon cell type
- 72 cells in cell circuit
- 3.2mm front solar glass for added strength
- EVA film encapsulation
- Junction box with 3 bypass diodes fitted
- Quick connect 2 x 900mm output cables
- Compact size of 1580mm x 808mm x 35mm
- Net solar module weight of 16kg

Application

- On/off grid power stations
- Telecommunications
- Remote power systems
- Stand alone or grid connected applications



Working Environment

- Temperature range of -40°C ~ 60°C
- Wind Pressure of < 3,000 Pa
- Snow Pressure of < 2,000 Pa



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Warranty

- 25 years on output power
- 5 years on materials and workmanship

International Accreditation

- ISO9001:2000 certified manufacturing facility
- TÜV Safety Class II Test
- Certified to IEC 61215, IEC 61730
- Safety rated to UL 1703.

Power Specifications

	SST 155-72M	SST 160-72M	SST 165-72M	SST 170-72M	SST 175-72M
Maximum Power (W)	155	160	165	170	175
Vmp	34.49	34.98	35.0	35.6	35.8
Imp	4.50	4.58	4.71	4.77	4.88
Voc	43.49	43.78	44.0	44.4	44.6
Isc	5.03	5.06	5.36	5.41	5.43
Power Tolerance	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%
Voltage Coefficient of Voc	-0.41% / 0C	-0.41% / 0C	-0.41% / 0C	-0.41% / 0C	-0.41% / 0C
Current Coefficient of Isc	0.03% / 0C	0.03% / 0C	0.03% / 0C	0.03% / 0C	0.03% / 0C
Power Coefficient of Pm	-0.55% / 0C	-0.55% / 0C	-0.55% / 0C	-0.55% / 0C	-0.55% / 0C
Max system voltage	1,000 VDC	1,000 VDC	1,000 VDC	1,000 VDC	1,000 VDC

SST 180-72M

Maximum Power (W)	180
Vmp	36.0
Imp	5.0
Voc	44.8
Isc	5.48
Power Tolerance	+/- 3%
Voltage Coefficient of Voc	-0.41% / 0C
Current Coefficient of Isc	0.03% / 0C
Power Coefficient of Pm	-0.55% / 0C
Max system voltage	1,000 VDC

