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Solar Panel Guide Specification Data Sheet

Zhejiang Shengtai Energy Co., Ltd.

ST-72M 340-360

ST-72M-340

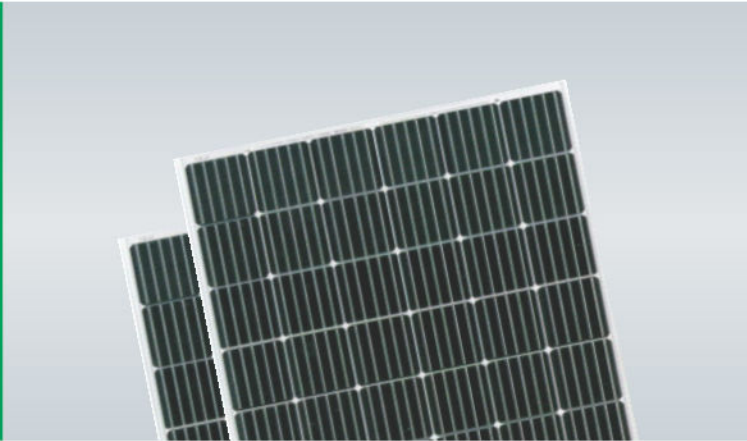
Also available on the web at
EnergyPal.com/zhejiang-shengtai-energy-co-ltd-solar-panels/st-72m-340

340-360 Watt

MONO CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004 certified factory.
IEC61215, IEC61730 certified products.



KEY FEATURES



5 Busbar Solar Cell:

No power loss thanks to improved temperature co-efficient caused by 5 Busbar solar cell



High Power Output:

Up to 360W and 18.55% efficiency, highest performing module of its kind on the market



PID RESISTANT:

Excellent Anti-PID performance guarantee limited power degradation for mass production



Low-light Performance:

Excellent performance in low-light environments

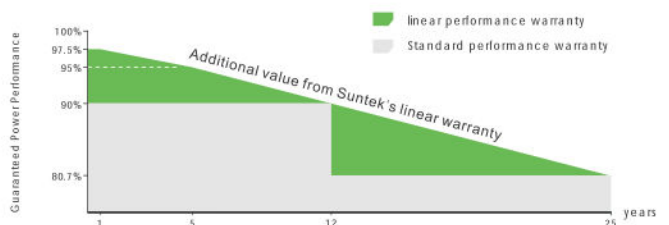


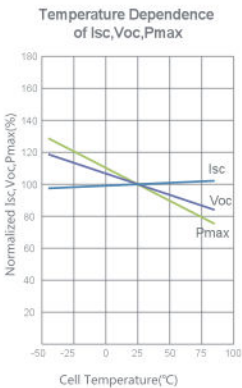
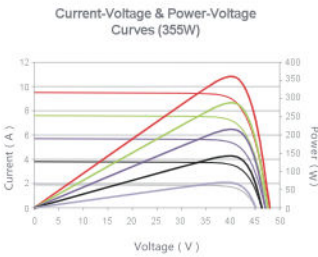
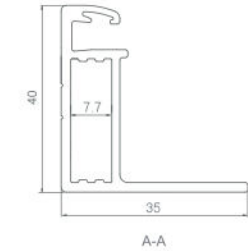
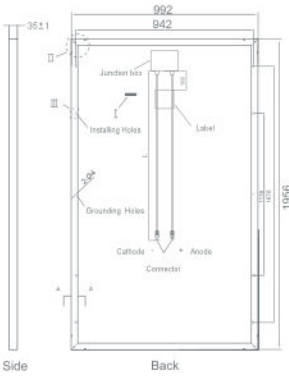
Severe Weather Resilience:

Certificated to withstand: wind load(2400 Pascal) and snow load(2400 Pascal)

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty





ELECTRICAL DATE(STC)

| Module model | ST-72M-340 | ST-72M-345 | ST-72M-350 | ST-72M-355 | ST-72M-360 |
|--------------------------------|------------|------------|------------|------------|------------|
| Max.Power-Pmax(Wp) | 340 | 345 | 350 | 355 | 360 |
| Max.Power Voltage-Vmp(V) | 38.8 | 39.0 | 39.2 | 39.4 | 39.6 |
| Max.Power Current-Imp(A) | 8.76 | 8.85 | 8.93 | 9.01 | 9.09 |
| Open-circuit Voltage-Voc(V) | 47.0 | 47.4 | 47.7 | 48.0 | 48.2 |
| Short-circuit Current-Isc(A) | 9.20 | 9.31 | 9.40 | 9.50 | 9.60 |
| Module efficiency(%) | 17.52 | 17.78 | 18.04 | 18.30 | 18.55 |
| Power Output Tolerance-Pmax(W) | 0~+5 | | | | |

STC:1000W/m2 Irradiance,25°C Module Temperature,AM1.5g Spectrum
 *Measuring Tolerance:+-3%

ELECTRICAL DATE(NOCT)

| Module model | ST-72M-340 | ST-72M-345 | ST-72M-350 | ST-72M-355 | ST-72M-360 |
|------------------------------|------------|------------|------------|------------|------------|
| Max.Power-Pmax(Wp) | 255 | 258 | 262 | 266 | 270 |
| Max.Power Voltage-Vmp(V) | 37.0 | 37.2 | 37.4 | 37.6 | 37.8 |
| Max.Power Current-Imp(A) | 6.90 | 6.95 | 7.01 | 7.08 | 7.14 |
| Open-circuit Voltage-Voc(V) | 45.8 | 46.0 | 46.2 | 46.4 | 46.6 |
| Short-circuit Current-Isc(A) | 7.25 | 7.33 | 7.41 | 7.50 | 7.58 |

NOCT: Irradiance at 800W/m2,Ambient Temperature 20°C,Wind Speed 1m/s

MACHANICAL CHARACTERISTICS

| | |
|------------------|---|
| Solar Cells | Mono-cyrstalline 156*156mm(6 inch) |
| No.of Cells | 72 (6*12) |
| Module Dimension | 1956*992*40mm(77.00*39.1*1.57inch) |
| Module Weight | 22.5Kg(49.5lb) |
| Front Glass | 3.2mm,High Transmission,Coated Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP67 or IP68 rated;3 Diodes |
| Output Cables | 1*4.0mm2;900mm or 1200mm |

OPERATING CONDITIONS

| | |
|-------------------------|--------------|
| Max. system voltage | 1000Vdc |
| Max. series fuse rating | 15A |
| Operating temperature | -40°C ~+85°C |

TEMPERATURE RATINGS

| | |
|--|-----------|
| NOCT(Nominal Operating Cell Temperature) | 45±2°C |
| Temperature Coefficient of Pmax | -0.39%/°C |
| Temperature Coefficient of Voc | -0.29%/°C |
| Temperature Coefficient of Isc | 0.048%/°C |

PACKAGING CONFIGURATION

| | |
|--------------------|--------|
| Modules per Pallet | 26pcs |
| Modules per Stack | 52PCS |
| Modules per 40HQ | 624PCS |