



**RIGIN**  
Inspired by the sun

## Solar Panel – Mono-crystalline (SC0070) with 70 Wp

### EFFICIENCY

- Low voltage-temperature coefficient ensures high-temperature operation
- Exceptional low-light performance combined with high sensitivity to light enables excellent energy delivery
- Up to 17.37% solar cell efficiency
- Up to 14.62% module efficiency

### MATERIALS

- Highest quality, high-transmission tempered glass provides enhanced stiffness and impact resistance
- Advanced EVA encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation
- A sturdy, anodized aluminum frame allows modules to be easily roof-mounted with a variety of standard mounting systems
- Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells
- Innovative, environmentally friendly packaging method using pile-edges ensures modules arrive in perfect condition

### BENEFITS

- Manufactured in an ISO 9001:2000 certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of +/-5%
- 25-year limited warranty on power output, 5-year limited warranty on materials and workmanship
- Generate more energy per square meter
- Equipped weatherproof junction box, flawless operation in wet weather and marine applications
- Resilient to harsh weather conditions
- Optimal panel performance
- Long term product performance

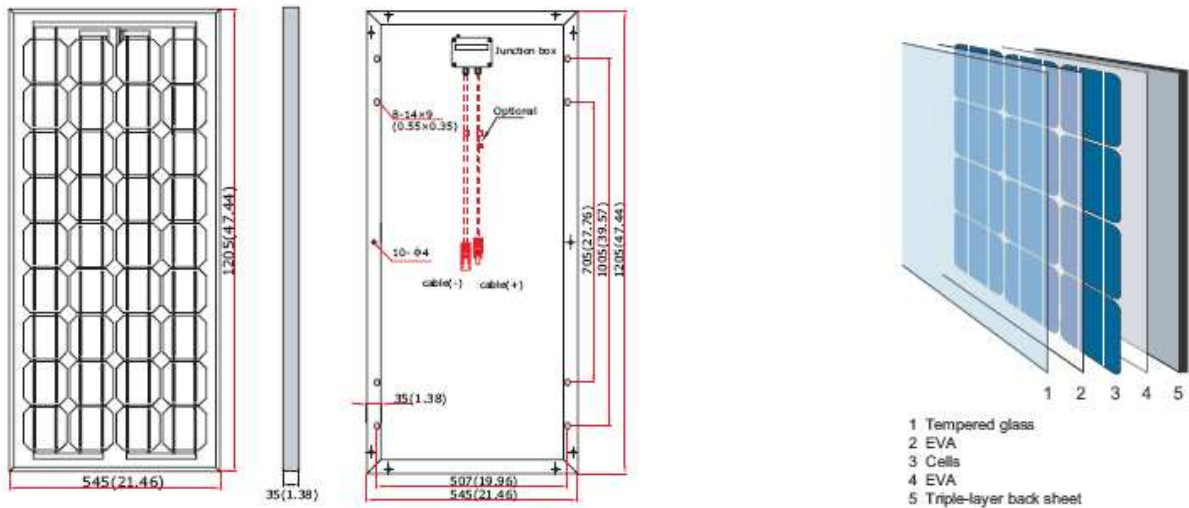


## SPECIFICATIONS

| Model type                        | ET-M53685                              | ET-M53680 | ET-M53675 | ET-M53670 |
|-----------------------------------|--|-----------|-----------|-----------|
| Peak power (Pmax)                 | 85W                                    | 80W       | 75W       | 70W       |
| Cell type                         | MonoCrystalline Silicon, 125mm x 125mm |           |           |           |
| Number of cells                   | 36 cells in a series                   |           |           |           |
| Weight                            | 8.2 kg (18.1lbs)                       |           |           |           |
| Dimensions                        | 1205×545×35mm(47.44×21.46×1.38inch)    |           |           |           |
| Maximum power voltage (Vmp)       | 18.05V                                 | 17.64V    | 17.40V    | 16.90V    |
| Maximum power current (Imp)       | 4.71A                                  | 4.54A     | 4.31A     | 4.14A     |
| Open circuit voltage (Voc)        | 21.94V                                 | 21.88V    | 21.73V    | 21.45V    |
| Short circuit current (Isc)       | 5.29A                                  | 4.98A     | 4.72A     | 4.45A     |
| Maximum system voltage            | DC 1000V                               |           |           |           |
| Temp. Coeff. of Isc (TK Isc)      | 0.06 %/°C                              |           |           |           |
| Temp. Coeff. of Voc (TK Voc)      | -0.397 %/°C                            |           |           |           |
| Temp. Coeff. of Pmax (TK Pmax)    | -0.549 %/°C                            |           |           |           |
| Normal Operating Cell Temperature | 44.4±2°C                               |           |           |           |

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25 °C

## PHYSICAL CHARACTERISTICS Unit:mm (inch)



## ELECTRICAL CHARACTERISTICS

