



RIGIN[®]

Inspired by the sun

Solar Panel – Mono-crystalline (SC0050) with 50 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



BENEFITS

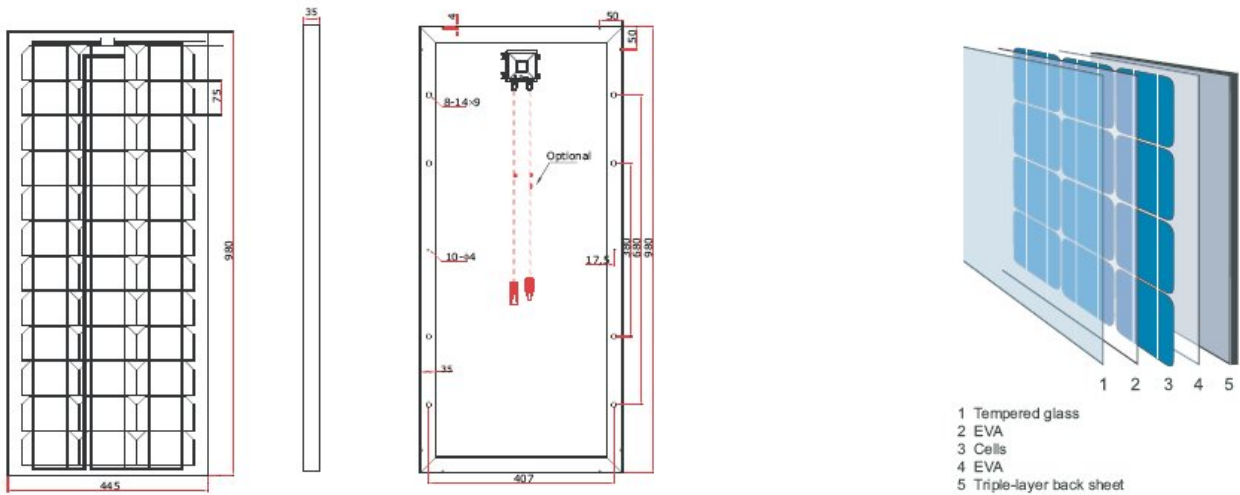
- Manufactured in an ISO 9001:2000 certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of +/-5%
- 25-year limited warranty on power output, 5-year limited warranty on materials and workmanship
- Generate more energy per square meter
- Equipped weatherproof junction 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-M53650	ET-M53655
Peak power(Pmax)	50W	55W
Weight	6.0kg (13.2lbs)	6.0kg (13.2lbs)
Dimensions	445×980×35mm 17.5×38.5×1.37inch	445×980×35mm 17.5×38.5×1.37inch
Maximum power voltage (Vmp)	18.22V	18.4V
Maximum power current (Imp)	2.75A	2.99A
Open circuit voltage (Voc)	21.96V	22.1V
Short circuit current (Isc)	3.04A	3.22A
Maximum system voltage	DC 1000V	DC 1000V
Temp. Coeff. of Isc (TK Isc)	0.06 %/ °C	0.06 %/ °C
Temp. Coeff. of Voc (TK Voc)	-0.397 %/°C	-0.397 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/ °C	-0.47 %/ °C
Normal Operating Cell Temperature	44.4±2°C	44.4±2°C

Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions : 800 W/m², 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

PHYSICAL CHARACTERISTICS Unit:mm (inch)



ELECTRICAL CHARACTERISTICS

