



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

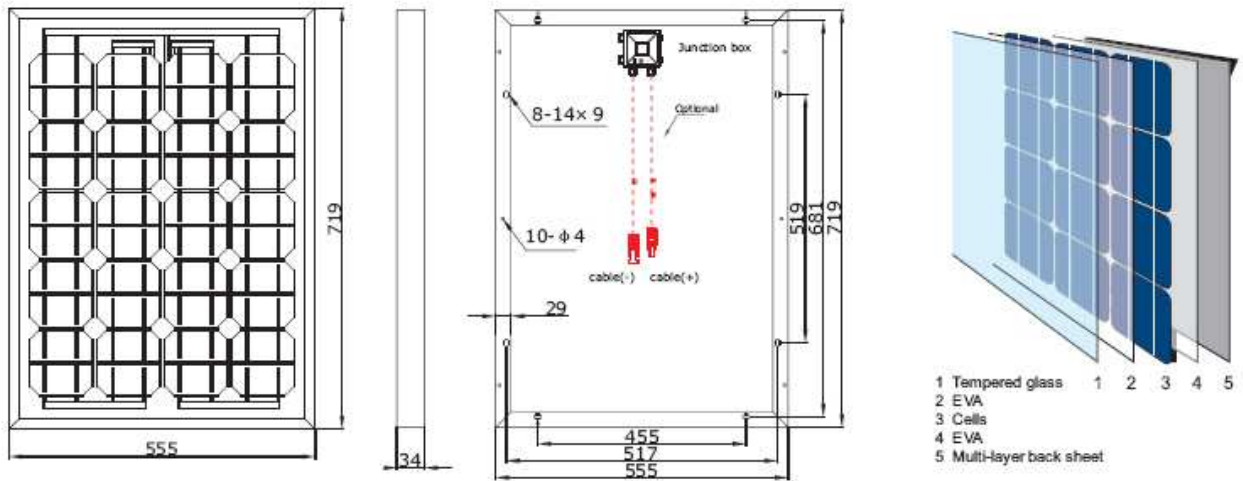


SPECIFICATIONS

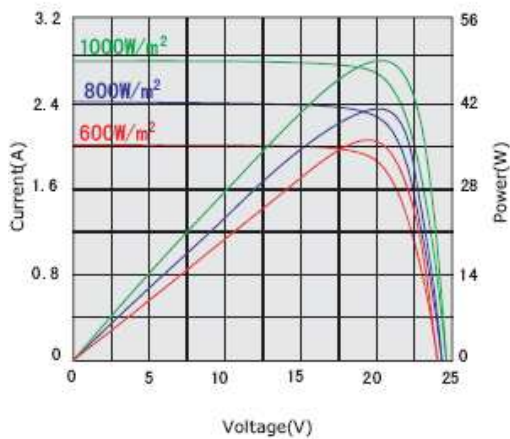
Model type	ET-M54050
Peak power(Pmax)	50W
Weight	5.0kg(11.0lbs)
Dimensions	719×555×34mm(28.3×21.9×1.3inch)
Maximum power voltage (Vmp)	20.2V
Maximum power current (Imp)	2.48A
Open circuit voltage (Voc)	24.6V
Short circuit current (Isc)	2.81A
Maximum system voltage	DC 1000V
Temp. Coeff. of Isc (TK Isc)	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/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C.

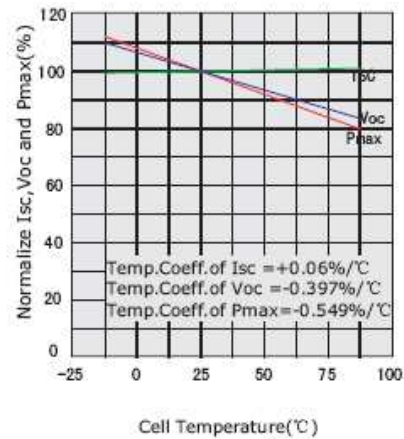
PHYSICAL CHARACTERISTICS Unit:mm(inch)



Electrical Performance cell temperature:25°C



Temperatur dependence of Isc, Voc and Pmax



Think before
you print!

