

FEATURES

- Low voltage-temperature coefficient enhances high-temperature operation
- Exceptional low-light performance and high sensitivity to light across the entire solar spectrum maximize yearly energy delivery
- 25-year limited warranty on power output, 2-year limited warranty on materials and workmanship

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

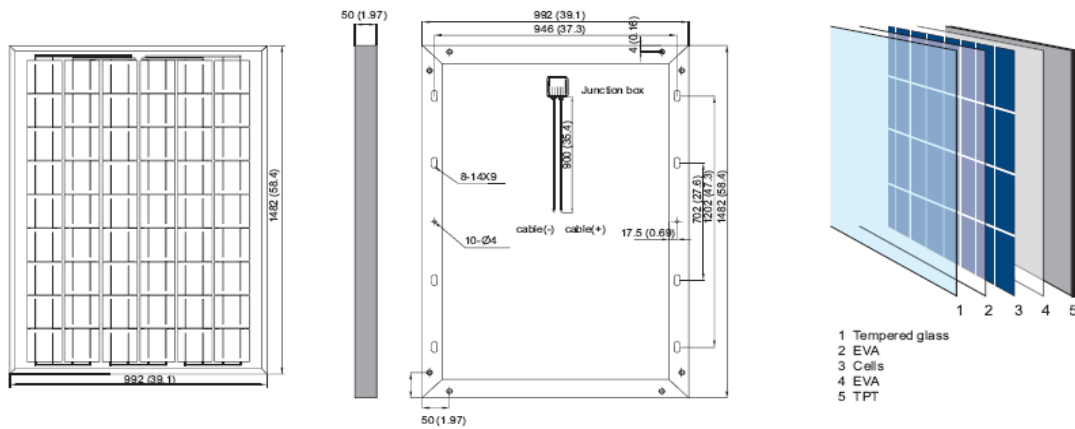
- Manufactured in an ISO 9001:2000 certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of +/-3%

SPECIFICATIONS

Model type	ET-P654210	ET-P654200	ET-P654190	ET-P654185	ET-P654180
Peak power(Pmax)	210W	200W	190W	185W	180W
Cell type	PolyCrystalline Silicon, 156mm x 156mm				
Number of cells	54 cells in a series				
Weight	17.8 kg (17.8 lbs.)				
Dimensions	1482×992×50mm (58.3×39.1×2inch)				
Maximum power voltage (Vmp)	27.54V	27.21V	26.78V	26.45V	26.45V
Maximum power current (Imp)	7.63A	7.36A	7.10A	6.99A	6.81A
Open circuit voltage (Voc)	32.83V	32.72V	32.50V	32.35V	32.35V
Short circuit current (Isc)	8.50A	7.86A	7.72A <td 7.70A	7.60A	
Maximum system voltage	DC 1000V				
Temp. Coeff. of Isc (TK Isc)	0.058 %/°C				
Temp. Coeff. of Voc (TK Voc)	-0.367 %/°C				
Temp. Coeff. of Pmax (TK Pmax)	-0.485 %/°C				
Normal Operating Cell Temperature	44.4±2 °C				

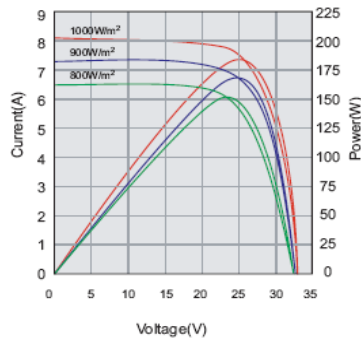
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25 °C.

PHYSICAL CHARACTERISTICS Unit:mm(inch)

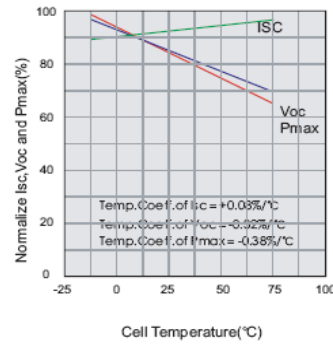


ELECTRICAL CHARACTERISTICS

Electrical performance cell temperature: 25°C



Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax cell temperature: 25°C

