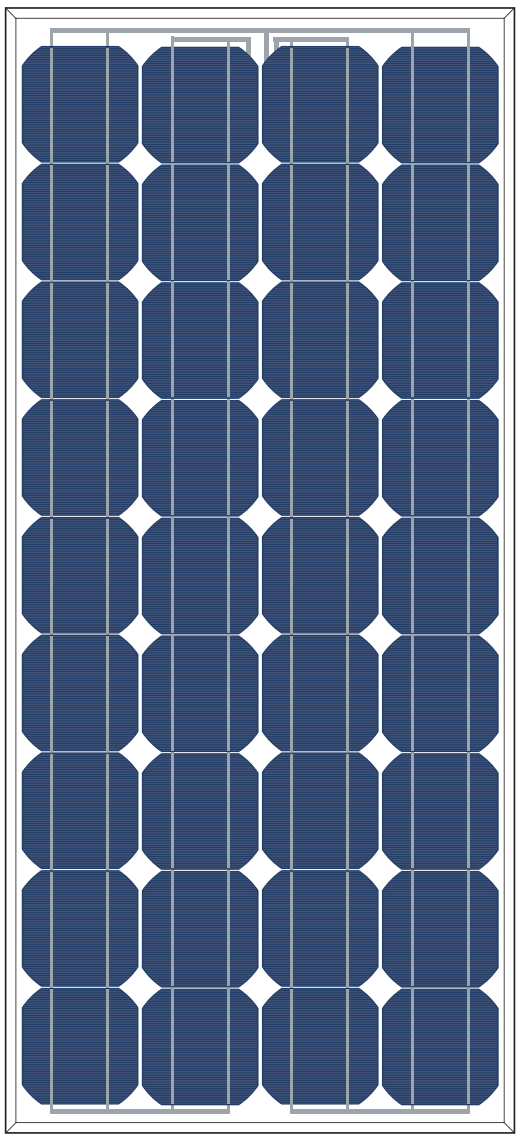
Solar

Passion for Green

ET MODULE

Monocrystalline

ET-M53685 85W
ET-M53680 80W
ET-M53675 75W
ET-M53670 70W



Features

- High module conversion efficiency (up to 14.7%), through superior manufacturing technology
- Guaranteed -1% to +3% Power Tolerance
- Entire module certificated to withstand high wind loads and snow loads (5400Pa)
- Anodized aluminum frame improves load resistance capabilities
- Highly transparent, low-iron, and tempered glass and antireflective coating
- Excellent performance under low light environments

Benefits

- 25-year warranty on power output; 5-year warranty on materials and workmanship
- Product liability insurance
- Local technical support
- Local warehousing
- 48 hour-response service
- Enhanced design for easy installation and long term reliability

IEC 61215 Ed.2
IEC 61730

CE

c UL us LISTED 3RVD

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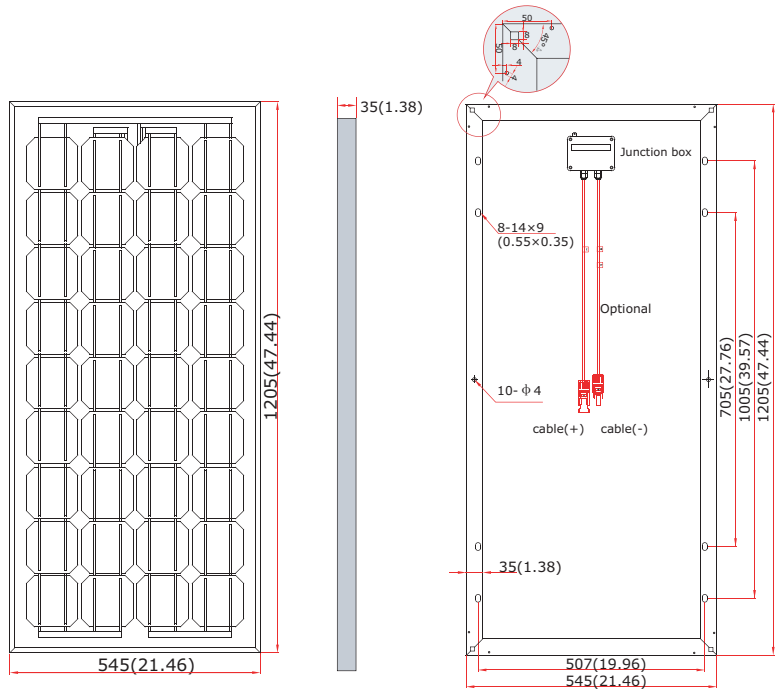
ELECTRICAL SPECIFICATIONS

Model type	ET-M53685	ET-M53680	ET-M53675	ET-M53670
Peak power (Pmax)	85W	80W	75W	70W
Cell Efficiency	16.38%	15.42%	14.46%	13.49%
Module Efficiency	12.94%	12.18%	11.42%	10.66%
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
Power Tolerance	-1 to +3%			
Maximum system voltage	DC 1000V (VDE) / DC 600V (UL)			
Normal Operating Cell Temperature	44.4±2℃			
Series fuse rating (A)	10A			
Number of bypass diode	3			

MECHANICAL SPECIFICATIONS

Cell type	125mm x 125mm
Number of cells	36 cells in a series
Weight	8.23 kg (18.14lbs)
Dimensions	1205×545×35mm (47.44×21.46×1.38inch)
Max Load	2400Pascals (50.1 lb/ft²)

PHYSICAL CHARACTERISTICS Unit:mm (inch)

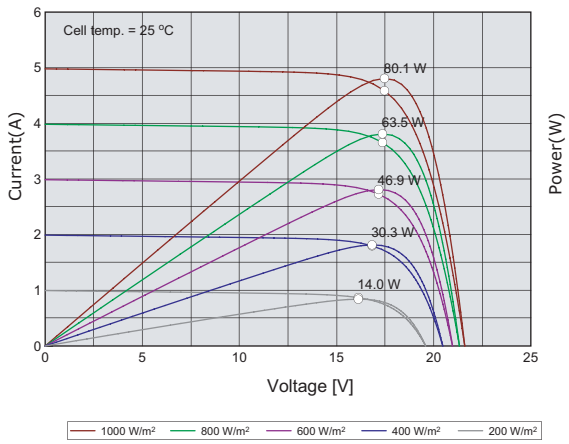


TEMPERATURE COEFFICIENT

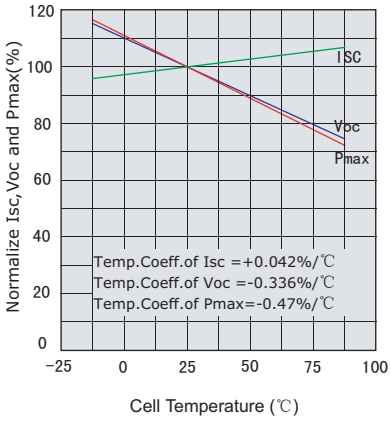
Temp. Coeff. of Isc (TK Isc)	0.042 %/℃
Temp. Coeff. of Voc (TK Voc)	-0.336 %/℃
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/℃

ELECTRICAL CHARACTERISTICS

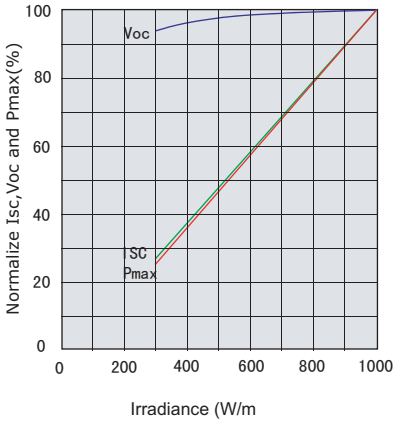
Electrical performance
(cell temperature:25℃)



Temperature dependence of Isc,
Voc and Pmax



Irradiance dependence of Isc,
Voc and Pmax (cell temperature:25℃)



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℃.
The NOCT is obtained under the Test Conditions : 800 W/m², 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

Please contact support@etsolar.com for technical support. The parameters are for reference only, and are subject to change without notice or obligation.