



Passion for Green

ET MODULE Monocrystalline

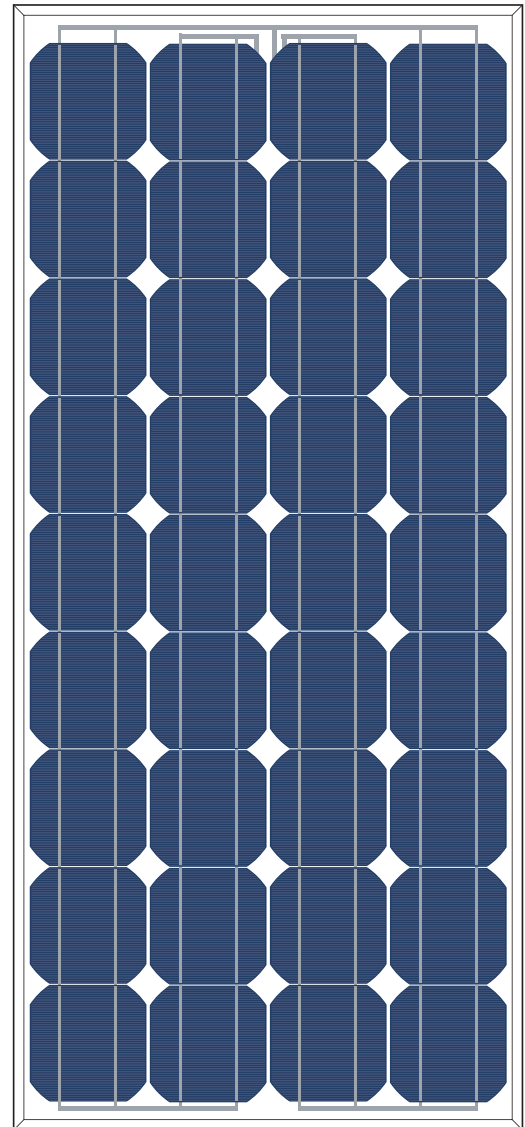
ET-M53695	95W
ET-M53690	90W
ET-M53685	85W
ET-M53680	80W

Features

- + High module conversion efficiency, through superior manufacturing technology
- + 0 to +5W positive tolerance for mainstream products
- + Entire module certificated to withstand high wind loads and snow loads (2400Pa)
- + Anodized aluminum is mainly for improving corrosion resistance.
- + Highly transparent, low-iron, 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



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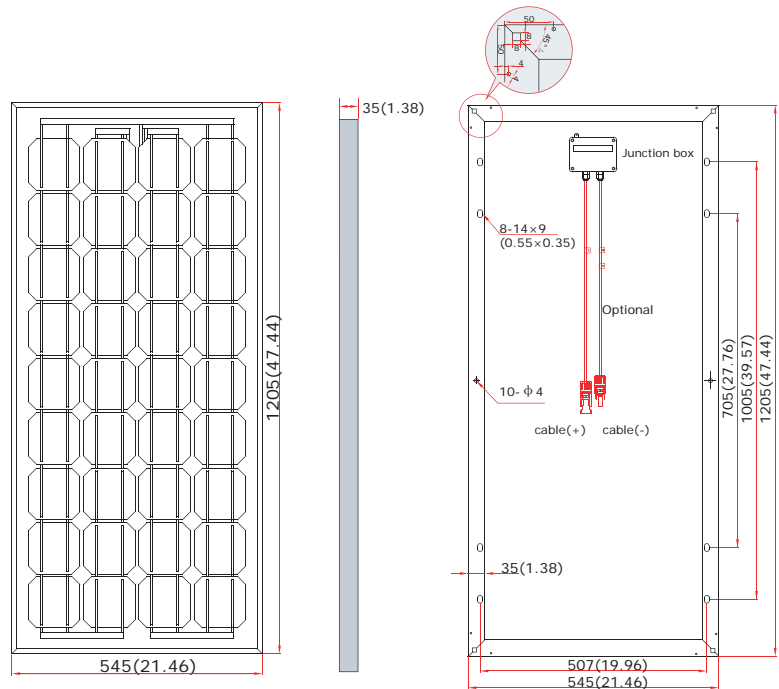
ELECTRICAL SPECIFICATIONS

Model Type	ET-M53695	ET-M53690	ET-M53685	ET-M53680
Peak Power (Pmax)	95W	90W	85W	80W
Cell Efficiency	17.56%	16.83%	16.38%	15.42%
Module Efficiency	14.47%	13.7%	12.94%	12.18%
Maximum Power Voltage (Vmp)	18.52V	18.25V	18.05V	17.64V
Maximum Power Current (Imp)	5.13A	4.932A	4.71A	4.54A
Open Circuit Voltage (Voc)	22.5V	21.98V	21.94V	21.88V
Short Circuit Current (Isc)	5.57A	5.54A	5.29A	4.98A
Power Tolerance	0 to +5W			
Maximum System Voltage	DC 1000V			
Normal Operating Cell Temperature	44.4±2°C			
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 lb/ft ²)

PHYSICAL CHARACTERISTICS Unit:mm (inch)

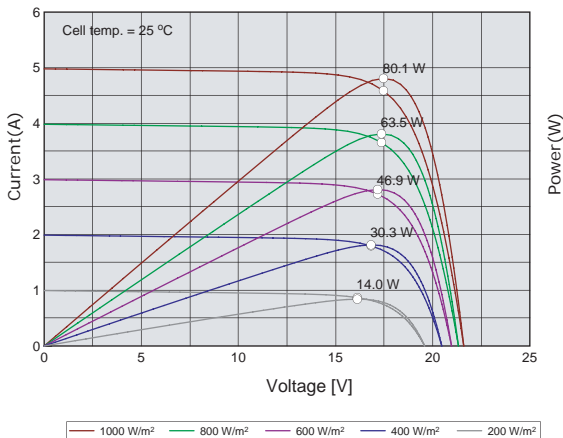


TEMPERATURE COEFFICIENT

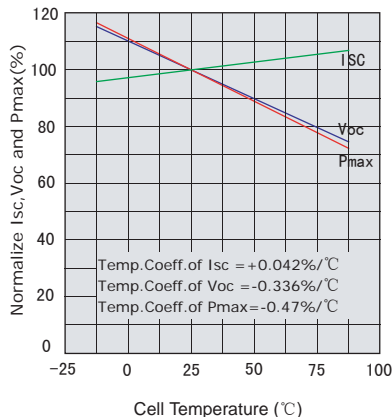
Temp. Coeff. of Isc (TK Isc)	0.042 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.336 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/°C

ELECTRICAL CHARACTERISTICS

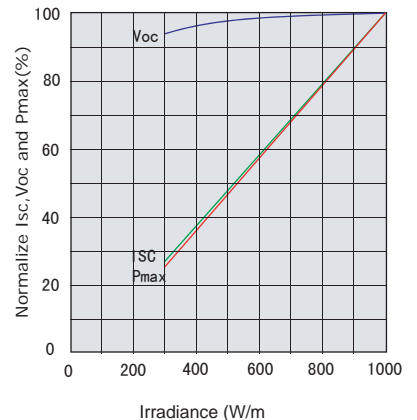
Electrical performance
(cell temperature: 25°C)



Temperature dependence of Isc,
Voc and Pmax



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



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.

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