



ET MODULE Monocrystalline

ET-M53685 85W

ET-M53680 80W

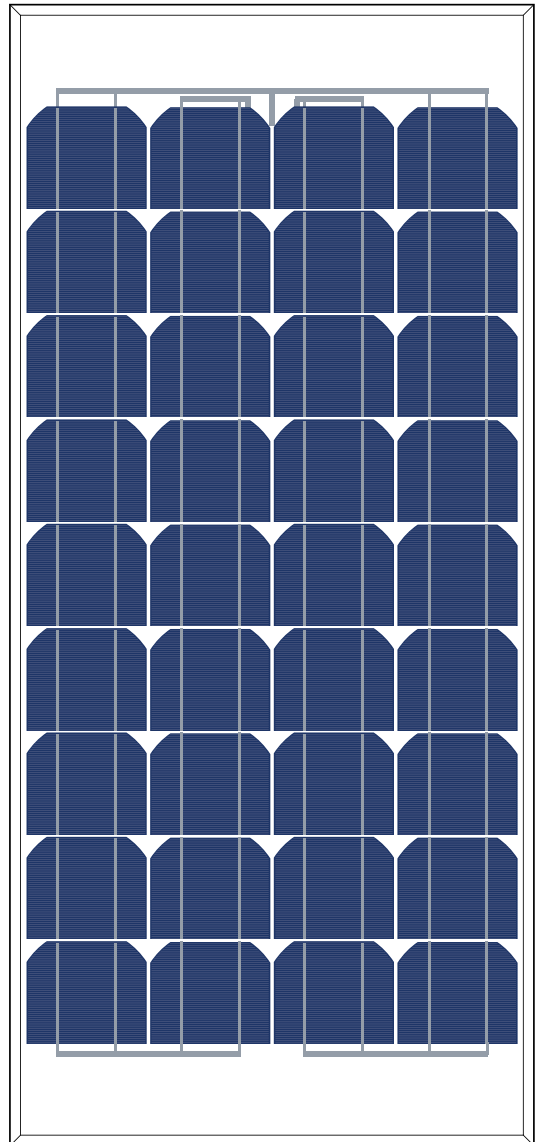
Features

- + High module conversion efficiency, through superior manufacturing technology
- + Anodized aluminum is mainly for improving corrosion resistance
- + Highly transparent, low-iron, tempered glass
- + 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

Passion for Green



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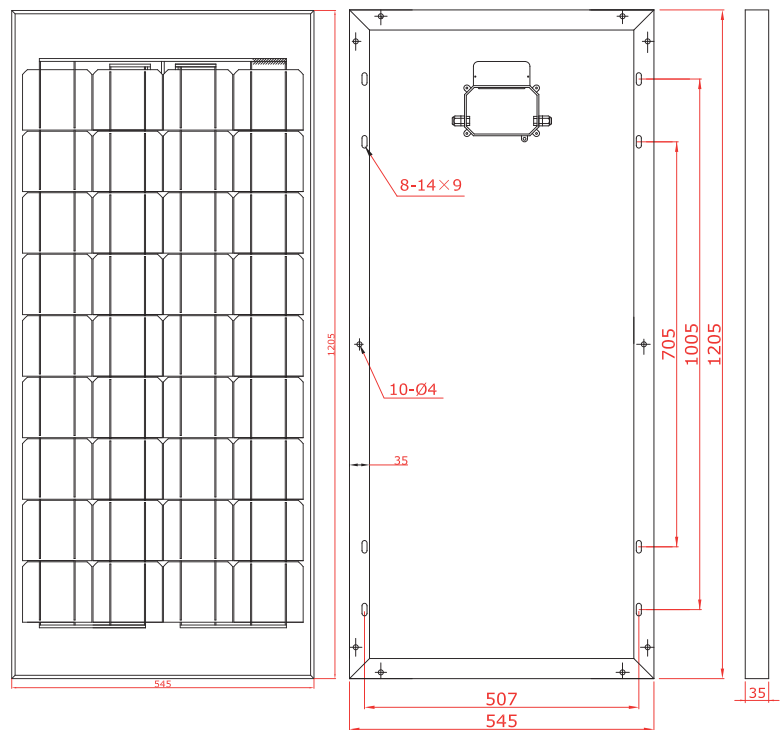
ELECTRICAL SPECIFICATIONS

Model type	ET-M53685	ET-M53680
Peak power (Pmax)	85W	80W
Cell Efficiency	16.38%	15.42%
Module Efficiency	12.94%	12.18%
Maximum power voltage (Vmp)	18.64V	17.76V
Maximum power current (Imp)	4.56A	4.51A
Open circuit voltage (Voc)	22.43V	22.09V
Short circuit current (Isc)	4.91A	4.89A
Power Tolerance	±3%	
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)

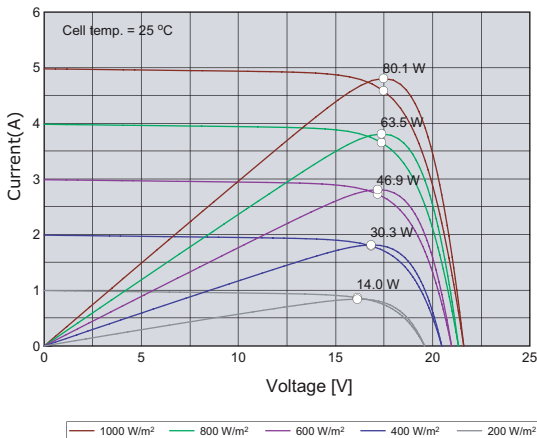


TEMPERATURE COEFFICIENT

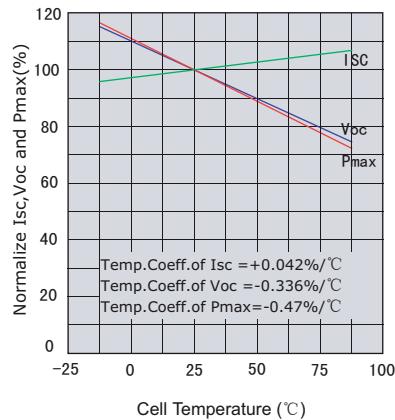
Temp. Coeff. of Isc (TK Isc)	0.042 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.336 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/°C

ELECTRICAL CHARACTERISTICS

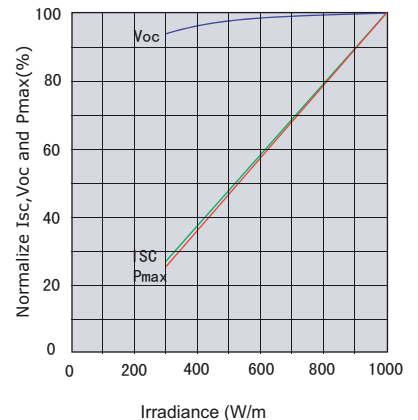
Electrical performance
(cell temperature:25°C)



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.