



*Passion for Green*

# ET MODULE Monocrystalline

ET-M53695 95W

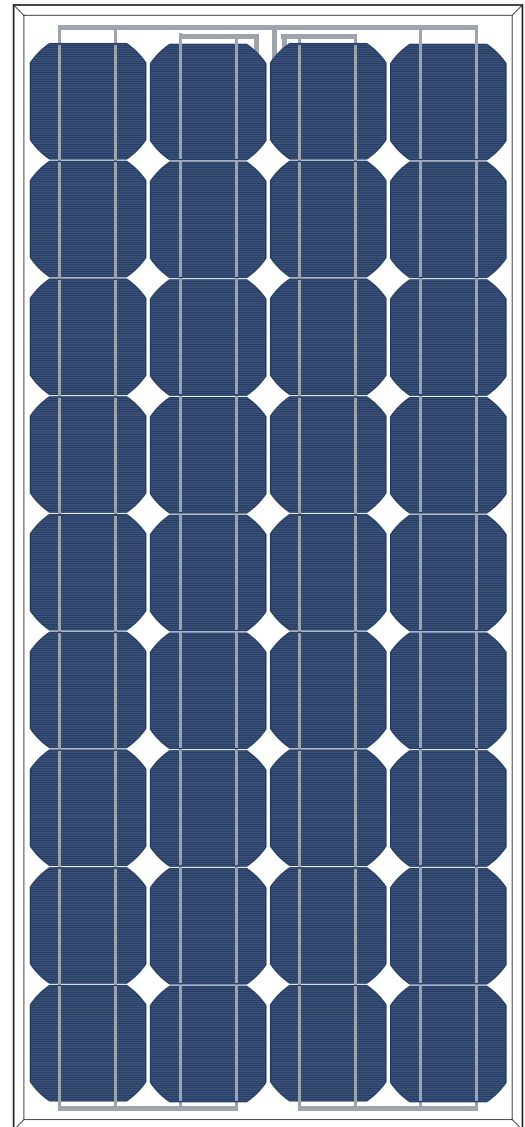
ET-M53690 90W

## 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



IEC 61215 Ed.2  
IEC 61730



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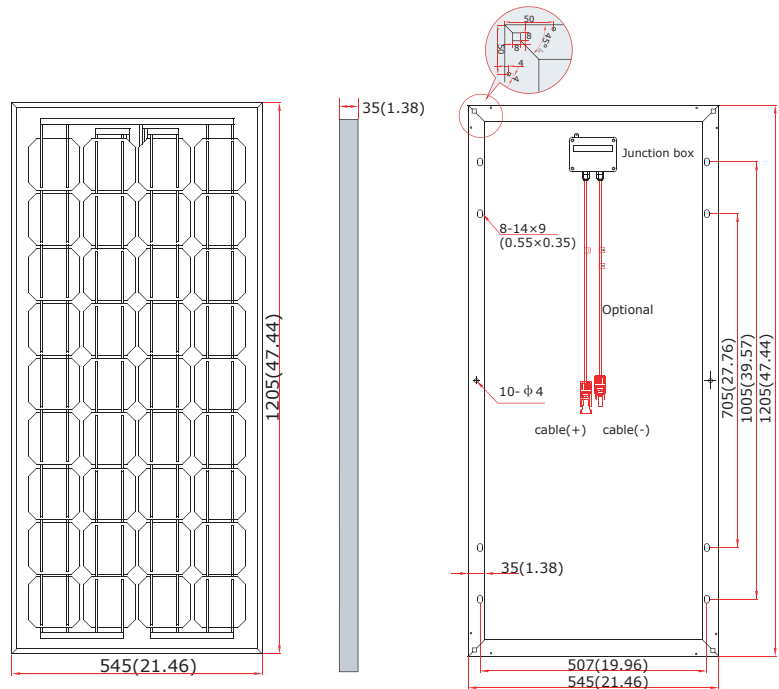
## ELECTRICAL SPECIFICATIONS

Model type	ET-M53695	ET-M53690
Peak power (Pmax)	95W	90W
Cell Efficiency	17.56%	16.83%
Module Efficiency	14.47%	13.7%
Maximum power voltage (Vmp)	18.52V	18.25V
Maximum power current (Imp)	5.13A	4.932A
Open circuit voltage (Voc)	22.5V	21.98V
Short circuit current (Isc)	5.57A	5.54A
Maximum system voltage	DC 1000V	
Normal Operating Cell Temperature	44.4±2°C	
Power Tolerance	-1 to +3%	
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 <sup>2</sup> )

## PHYSICAL CHARACTERISTICS Unit:mm (inch)

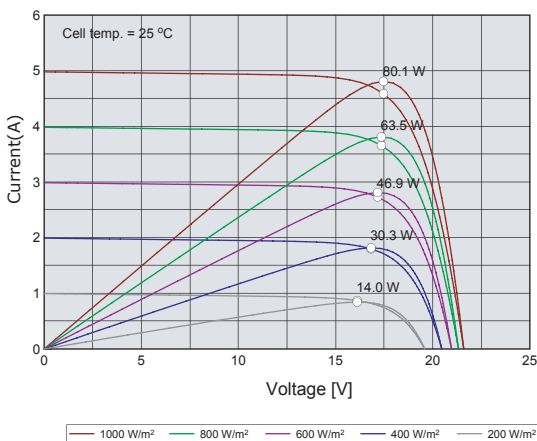


## TEMPERATURE COEFFICIENT

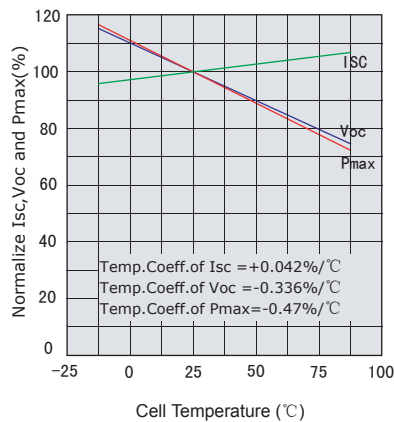
Temp. Coeff. of Isc (TK Isc)	0.042 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.336 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.47 %/°C

## ELECTRICAL CHARACTERISTICS

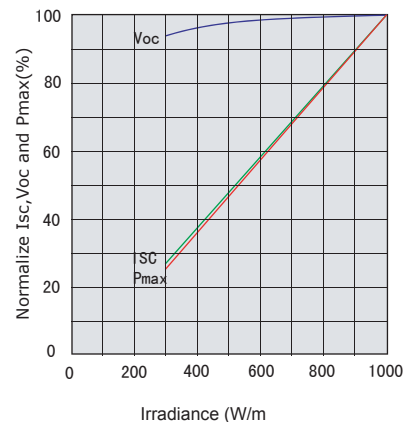
Electrical performance  
(cell temperature:25°C)



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/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C.

The NOCT is obtained under the Test Conditions : 800 W/m<sup>2</sup>, 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

Please contact [support@etsolar.com](mailto:support@etsolar.com) for technical support. The parameters are for reference only, and are subject to change without notice or obligation.