



Passion for Green

ET MODULE polycrystalline

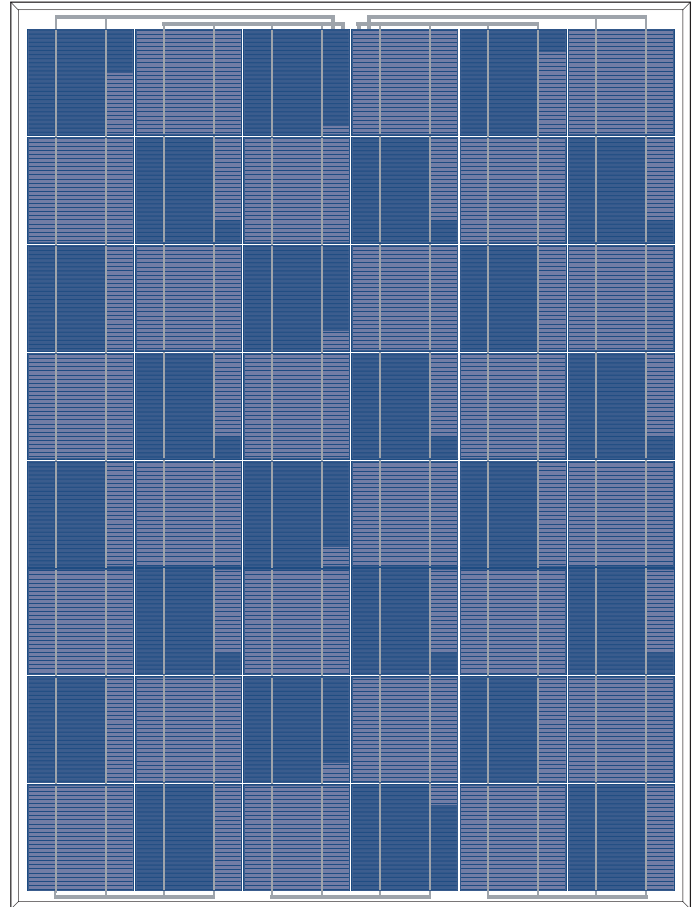
ET-P648175	175W
ET-P648170	170W
ET-P648165	165W
ET-P648160	160W
ET-P648155	155W

Features

- + High module conversion efficiency, through superior manufacturing technology
- + Guaranteed -1% to +3% Power Tolerance
- + Entire module certificated to withstand high wind loads and snow loads (5400Pa)
- + 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



www.etsolar.com

ELECTRICAL SPECIFICATIONS

Model type	ET-P648175	ET-P648170	ET-P648165	ET-P648160	ET-P648155
Peak power (Pmax)	175W	170W	165W	160W	155W
Cell Efficiency	15.44%	15.00%	14.59%	14.12%	13.67%
Module Efficiency	13.38%	13.00%	12.62%	12.24%	11.80%
Maximum power voltage (Vmp)	23.20V	23.00V	23.00V	23.00V	23.00V
Maximum power current (Imp)	7.54A	7.39A	7.17A	6.95A	6.73A
Open circuit voltage (Voc)	29.04V	29.00V	29.00V	29.00V	29.00V
Short circuit current (Isc)	8.10A	8.10A	7.90A	7.80A	7.60A
Power Tolerance	-1 to +3%				
Maximum system voltage	DC 1000V				
Normal Operating Cell Temperature	45.3±2°C				
Series fuse rating (A)	15A				
Number of bypass diode	3				

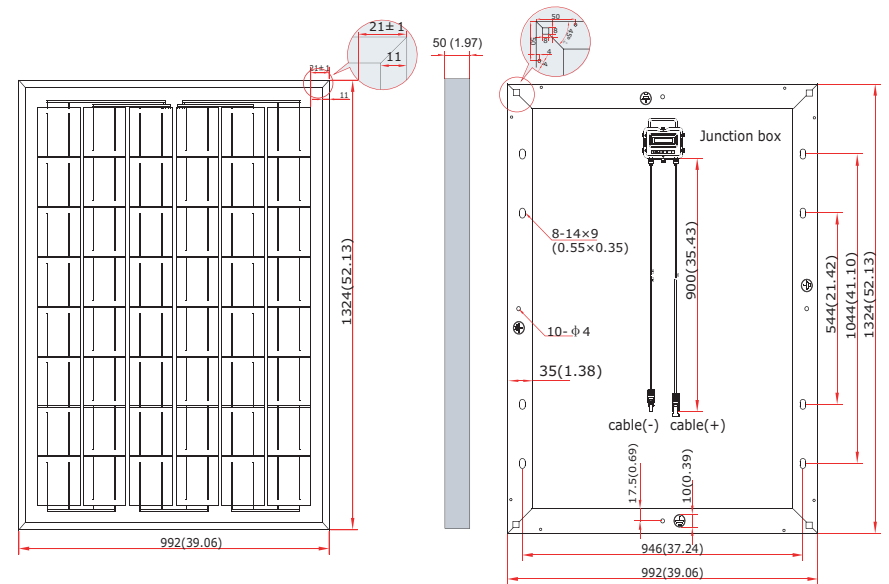
MECHANICAL SPECIFICATIONS

Cell type	156mm x 156mm
Number of cells	48 cells in series
Weight	15.6 kg (34.45 lbs)
Dimensions	1324×992×50mm (52.13×39.06×1.97 inch)
Max Load	5400Pascals (112 lb/ft ²)

TEMPERATURE COEFFICIENT

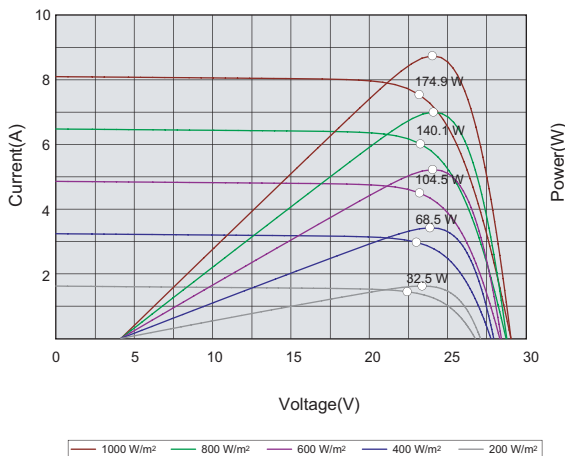
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C

PHYSICAL CHARACTERISTICS

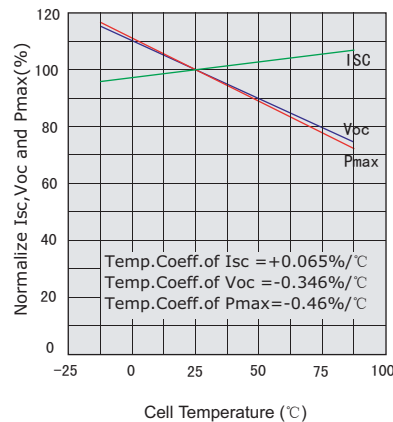


ELECTRICAL CHARACTERISTICS

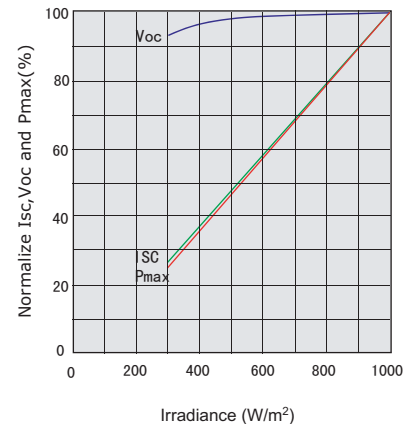
Electrical performance
(cell temperature:25°C)



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.