

# ET MODULE

## Polycrystalline

ET-P648200WW 200W

ET-P648195WW 195W



**High conversion efficiency**  
High module efficiency to guarantee power output.



**Self-cleaning glass**  
Coating glass for self-cleaning, reduce surface dust.



**Outstanding low irradiation performance**  
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



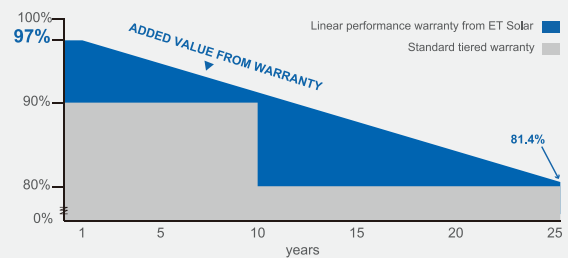
**Excellent loading capability**  
2400Pa wind loads, 5400Pa snow loads.

0 to +5W

0 to +5W positive tolerance  
Detailed information in Electrical Specifications.

48

48-hour response service



25

25-year performance warranty

10

10-year warranty on materials and workmanship

IEC 61215 Ed.2  
IEC 61730  
IEC 61701



Towards Excellence

M/ET-CP-EN-EU2015V1

[www.etsolar.com](http://www.etsolar.com)

## ELECTRICAL SPECIFICATIONS

Model Type	ET-P648200WW	ET-P648195WW
Peak Power (Pmax)	200W	195W
Module Efficiency	15.23%	14.85%
Maximum Power Voltage (Vmp)	24.27V	24.11V
Maximum Power Current (Imp)	8.24A	8.09A
Open Circuit Voltage (Voc)	29.98V	29.88V
Short Circuit Current (Isc)	8.76A	8.75A
Power Tolerance	0 to +5W	
Maximum System Voltage	DC 1000V	
Nominal Operating Cell Temperature	45.3±2°C	
Fire Safety	Class C	
Maximum Series Fuse Rating	20A	

## MECHANICAL SPECIFICATIONS

Cell Type	156mm x 156mm
Number of Cells	48 cells in series
Weight	16.1 kg(35.49 lbs)
Dimension	1324×992×40mm (52.13×39.06×1.58 inch)
Max Load	5400 Pascals (112 lb/ft <sup>2</sup> )
Junction Box	IP67 rated
Connector	MC4 Compatible

## TEMPERATURE COEFFICIENT

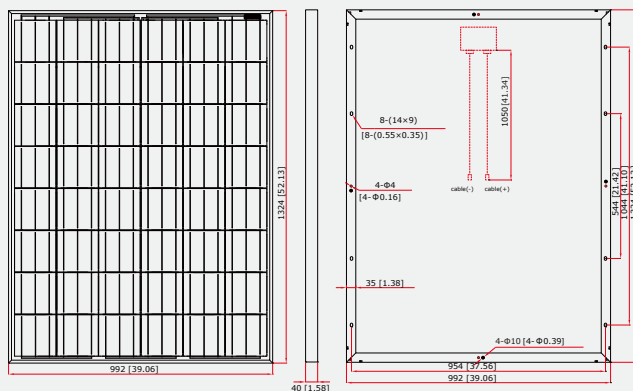
Temp. Coeff. of Isc (TK Isc)	0.04% /°C
Temp. Coeff. of Voc (TK Voc)	-0.34% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.44% /°C

## PACKING MANNER

Container	20' GP	40' GP
Pieces per Pallet	26	26
Pieces per Container	416	832

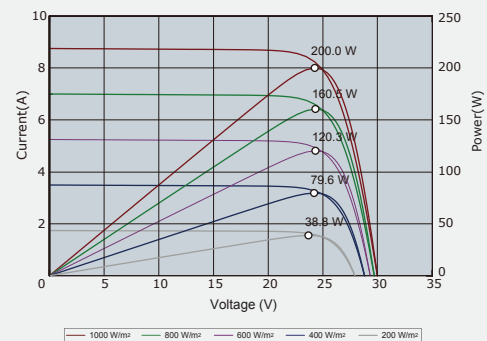
## PHYSICAL CHARACTERISTICS

Unit:mm (inch)

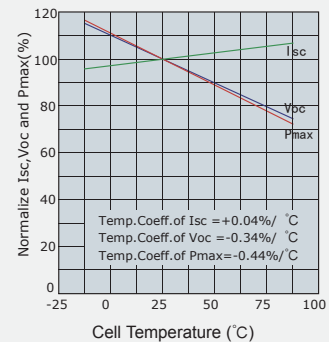


## ELECTRICAL CHARACTERISTICS

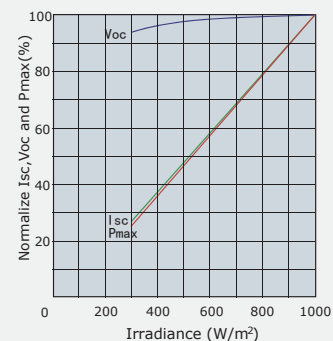
Current-Voltage & Power-Voltage Curve  
(AM1.5, Cell Temperature 25°C)



## Temperature Dependence of Isc, Voc and Pmax



## Irradiance Dependence of Isc, Voc and Pmax (AM1.5, 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, 1m/s wind speed, AM 1.5 spectrum.

Please contact [support@etsolar.com](mailto:support@etsolar.com) for technical support. The actual transactions will be subject to the contracts. This parameters is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.