

Promelight Module

Polycrystalline

PT-P672305BB 305W
 PT-P672300BB 300W
 PT-P672295BB 295W
 PT-P672290BB 290W



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.



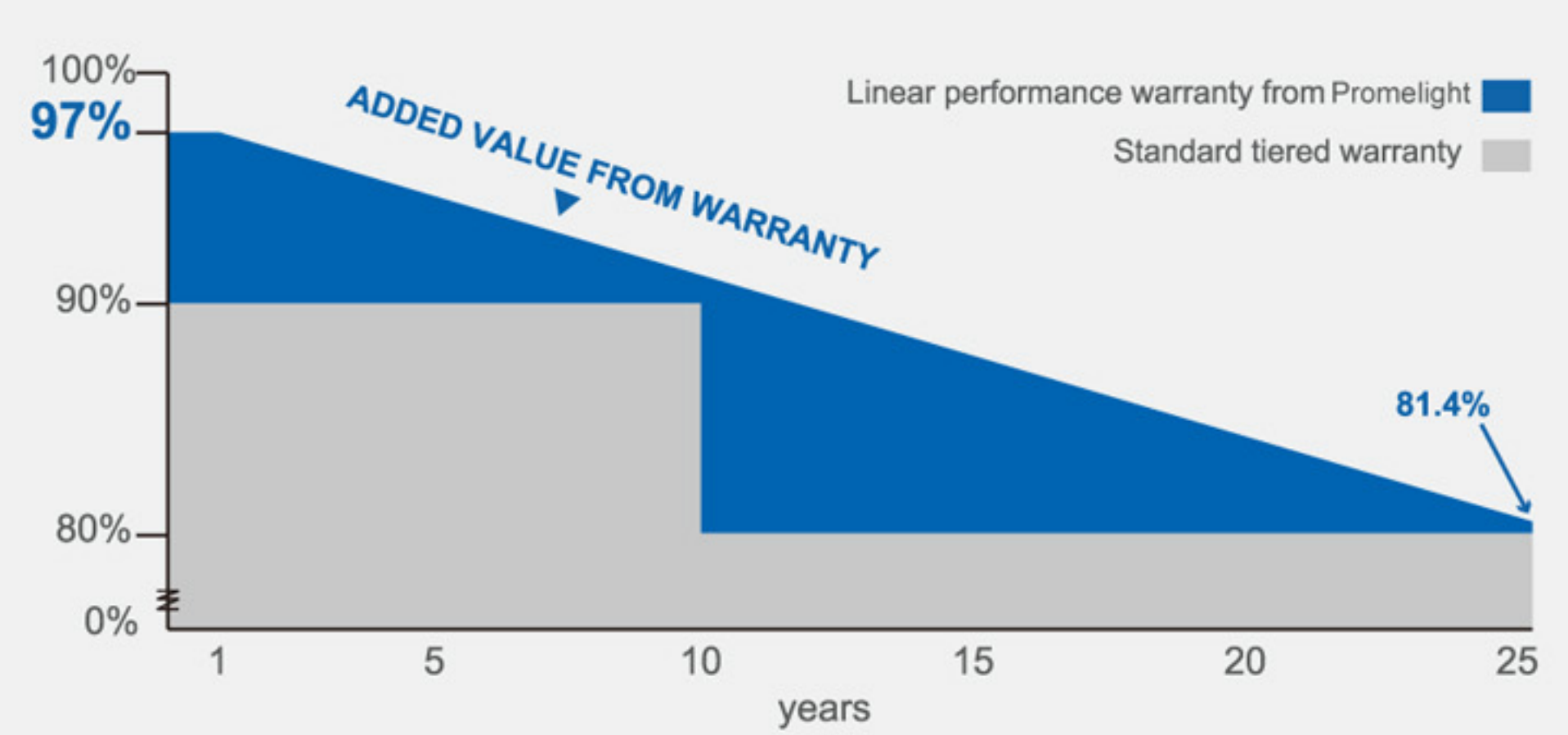
Excellent loading capability
 2400Pa wind loads, 5400Pa snow loads.

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



www.promelight.com.my

ELECTRICAL SPECIFICATIONS

Model Type	PT-P672305BB	PT-P672300BB	PT-P672295BB	PT-P672290BB
Peak Power (Pmax)	305W	300W	295W	290W
Module Efficiency	15.72%	15.46%	15.20%	14.95%
Maximum Power Voltage (Vmp)	37.18V	36.68V	36.17V	35.92V
Maximum Power Current (Imp)	8.21A	8.18A	8.16A	8.08A
Open Circuit Voltage (Voc)	45.12V	44.89V	44.78V	44.75V
Short Circuit Current (Isc)	8.78A	8.72A	8.68A	8.62A
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	72 cells in series
Weight	26.3 kg (57.98 lbs)
Dimension	1956×992×40mm (77.01×39.06×1.58 inch)
Max Load	5400 Pascals (112 lb/ft ²)
Junction Box	IP67 rated
Connector	MC4 Compatible

TEMPERATURE COEFFICIENT

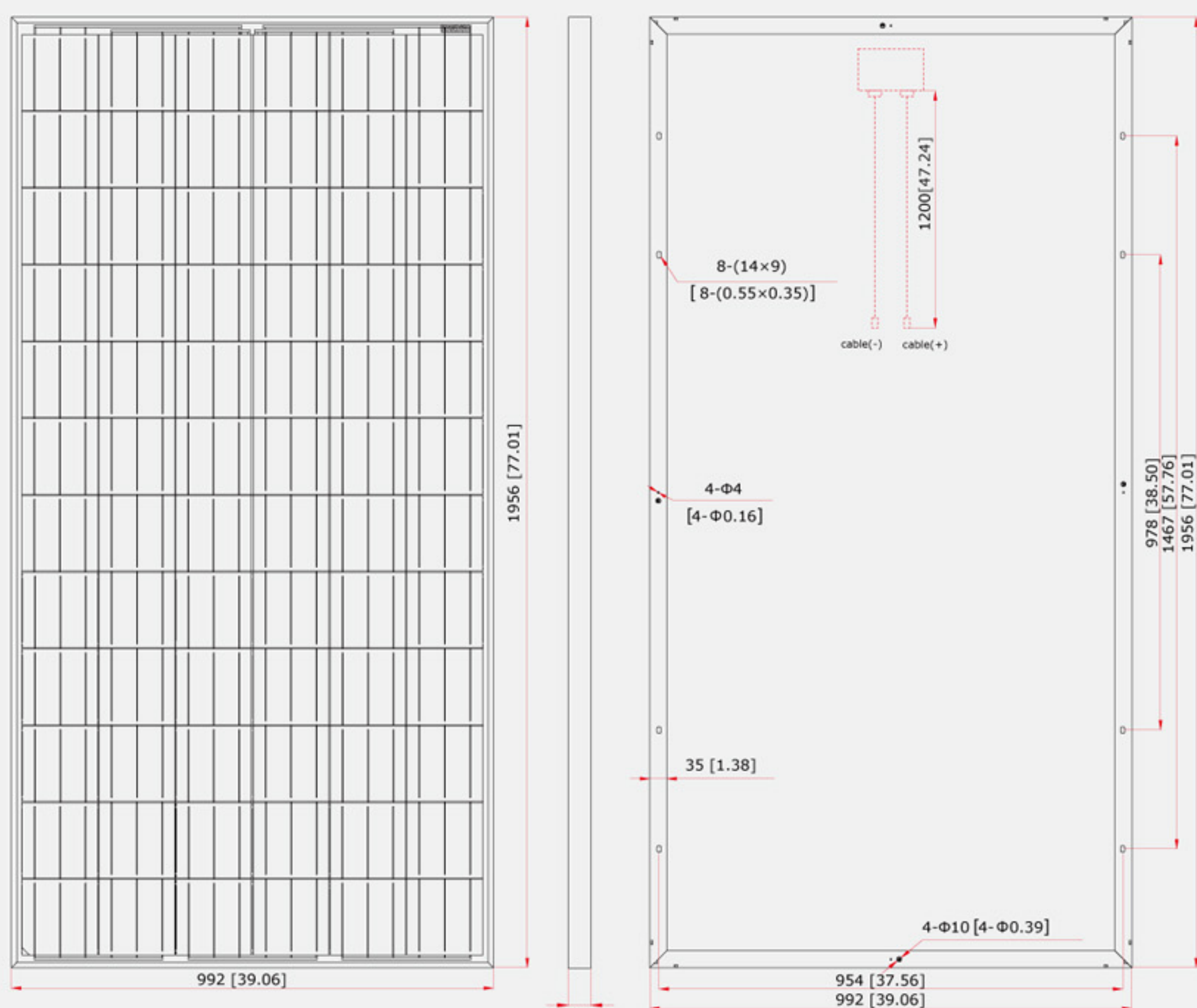
Temp. Coeff. of Isc (TK Isc)	0.04% /°C
Temp. Coeff. of Voc (TK Voc)	-0.34% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.44% /°C

PACKING MANNER

Container	40' HQ
Pieces per Pallet	26
Pieces per Container	572

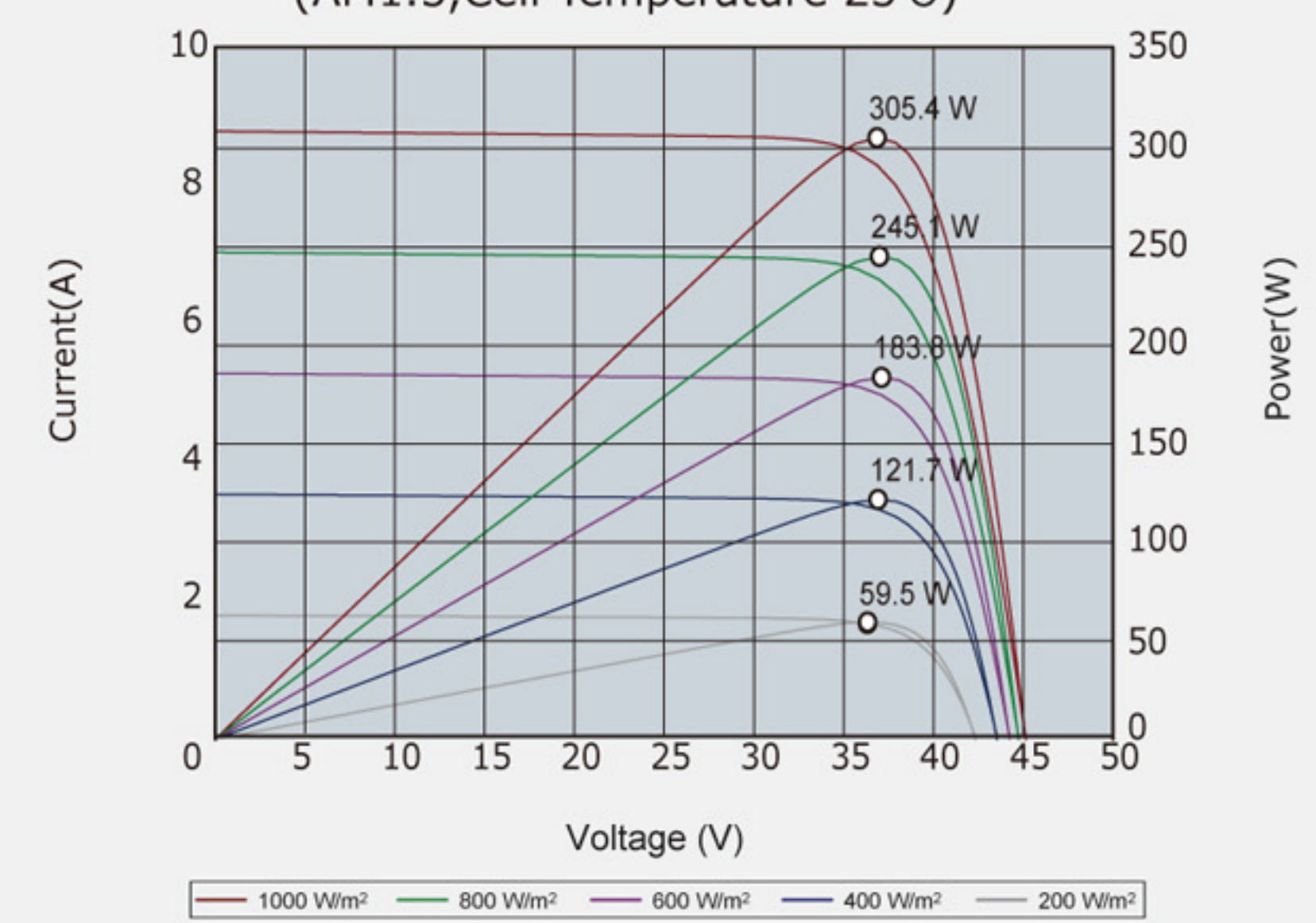
PHYSICAL CHARACTERISTICS

Unit:mm (inch)

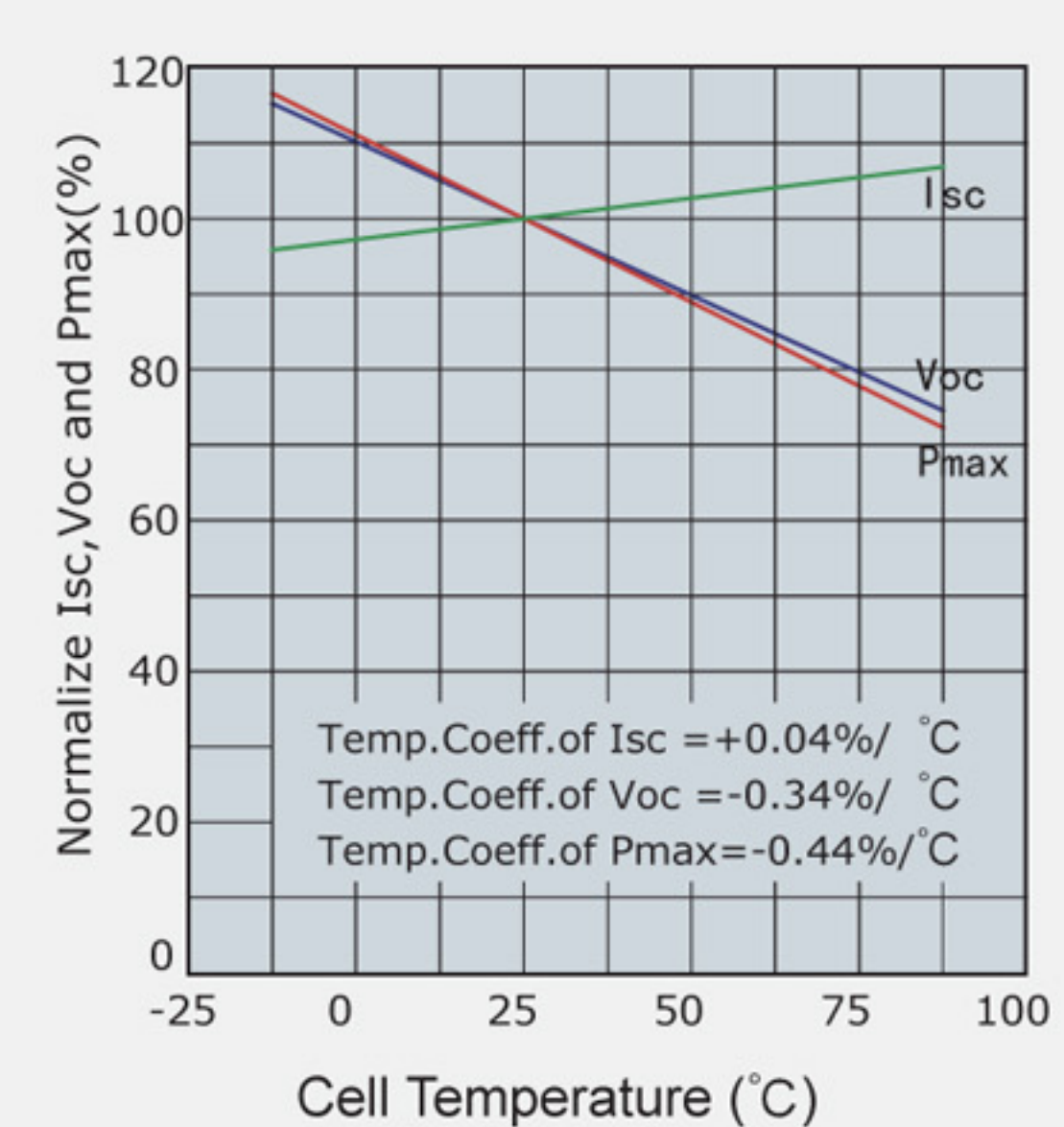


ELECTRICAL CHARACTERISTICS

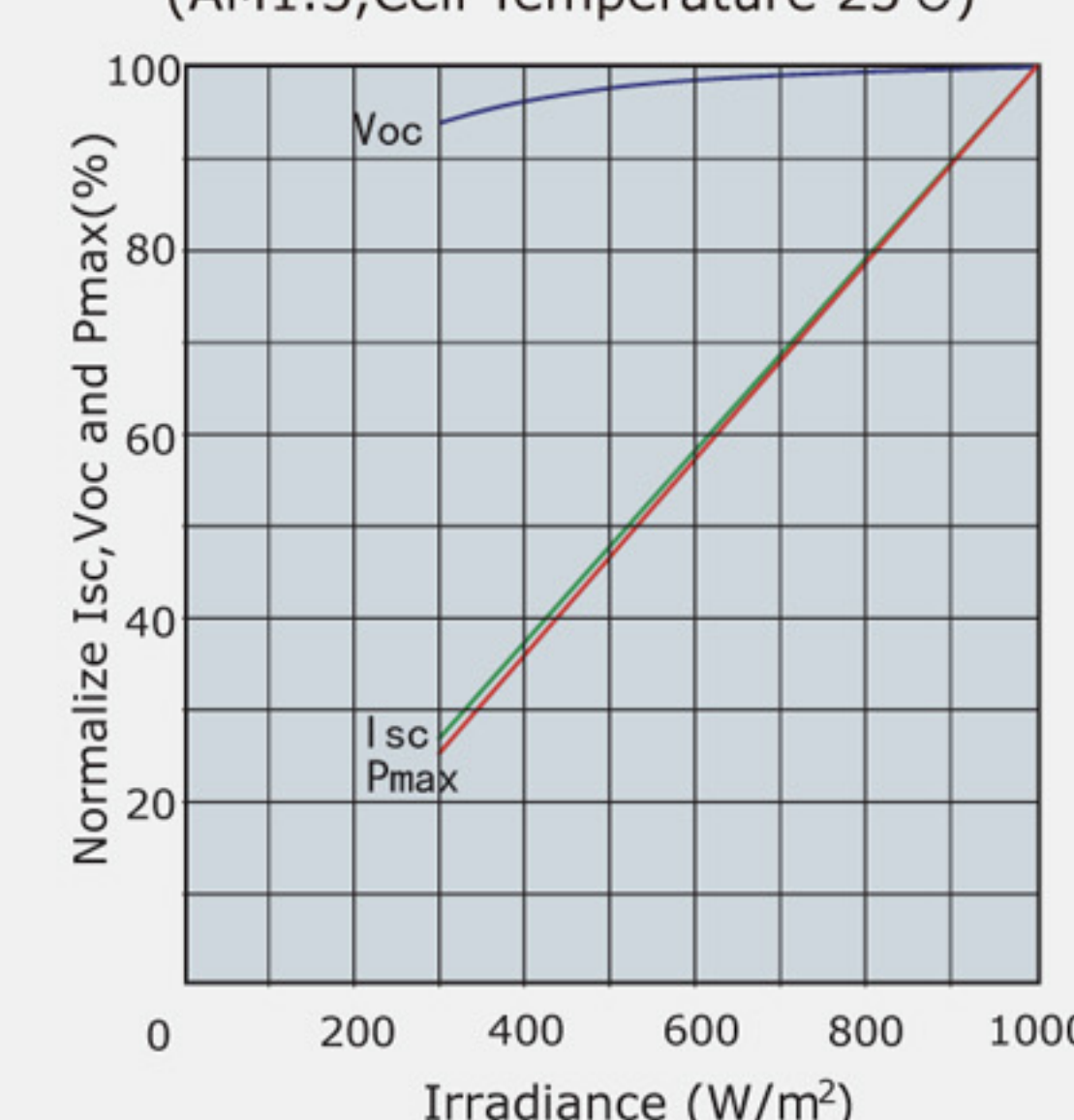
Current-Voltage & Power-Voltage Curve (AM1.5, Cell Temperature 25°C)



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/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, 1m/s wind speed, AM 1.5 spectrum.
 Please contact sales@promelight.com.my 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.