



Power Your Life

# E-Series 265 - 270 W Poly Solar Panel



**Positive power tolerance**  
+5 / -0 Wp



**PID-Free**  
PID stands for Potential Induced Degradation  
Module power loss is less than 5% under IEC 62804



**Hot-spot protection**  
Design to withstand localized heating caused by cracked, mismatched cells, interconnection failures, or partial shadowing



**Maximum load**  
Design to withstand heavy snow and wind pressure under IEC 61215 & 61730



**In-House EL tests**  
Use electroluminescence (EL) measurements to rule out invisible defects such as microcracks, finger defects, and low-current output areas in modules



## Warranty & Insurance

25-year limited warranty on power output  
10-year limited warranty on workmanship  
Contact TSEC AMERICA for warranty information

## Product & Management System | Certificates



## About TSEC

TSEC Corporation has always been pursuing cutting-edge technology to develop high-efficient solar cells and panels all the time. The word "TSEC" stands for Taiwan Solar Energy Company which represents the symbol of confidence, sustainability, and trust in our products and services. With hands-on experience in solar projects, TSEC America is capable of bringing commercial and residential users the enjoyment of solar-powered lives. It is our mission to provide clean energy to reduce carbon dioxide emissions and enable the Earth to support human life.

# E-Series 265 - 270 W Poly Solar Panel

## Performance at standard test condition (STC)\*

		TS60-6P3-265	TS60-6P3-270	
Maximum Power	P <sub>max</sub>	265	270	W
Open Circuit Voltage	V <sub>oc</sub>	38.60	38.82	V
Maximum Power Voltage	V <sub>mp</sub>	31.09	31.30	V
Short Circuit Current	I <sub>sc</sub>	9.12	9.21	A
Maximum Power Current	I <sub>mp</sub>	8.53	8.63	A
Tolerance of Maximum Power		+5 / -0		W
Module Efficiency		16.18	16.49	%
PTC Rating		241.3	246.0	W

\*STC: Standard Test Condition, 1000 W/m<sup>2</sup>, AM 1.5, 25°C

\*PTC: PVUSA Test Condition

## Thermal Characteristics

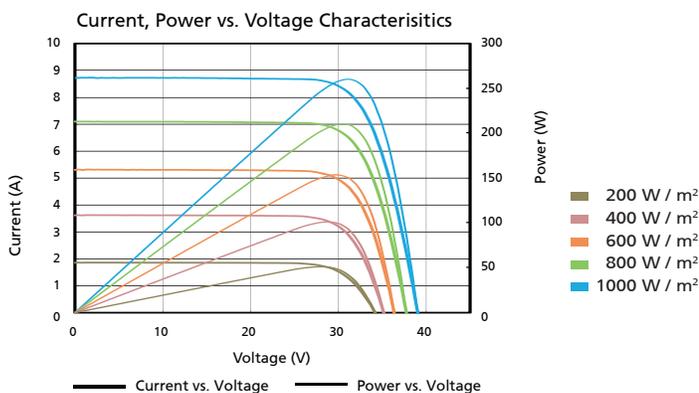
NOCT*	113.18°F / 45.1°C
TC I <sub>sc</sub>	+0.073 % / °C
TC V <sub>oc</sub>	-0.310 % / °C
TC P <sub>max</sub>	-0.431 % / °C

\*NOCT: Nominal Operating Cell Temperature  
800 W/m<sup>2</sup>, AM 1.5, Ambient Temperature 20°C, Wind Speed 1 m/s

## System Integration Parameters

Maximum DC system voltage	1000 V (IEC / UL)
Maximum series fuse	15 A
Number of bypass diodes	3
Snow load	112 psf / 5,400 Pascal
Wind load	50 psf / 2,400 Pascal
Operating range	-40 to 185°F / -40 to 85°C
Fire performance	Type 2 (UL 1703)

## IV Curve



## Performance at 800 W/m<sup>2</sup>, NOCT, AM 1.5

		TS60-6P3-265	TS60-6P3-270	
Maximum Power	P <sub>max</sub>	194.85	198.88	W
Open Circuit Voltage	V <sub>oc</sub>	35.58	35.82	V
Maximum Power Voltage	V <sub>mp</sub>	28.35	28.57	V
Short Circuit Current	I <sub>sc</sub>	7.41	7.48	A
Maximum Power Current	I <sub>mp</sub>	6.87	6.96	A

## Module Characteristics

Cell Configuration	60 in series
Cell Type	6.17" Polycrystalline Silicon
Length	64.92 in / 1649 mm
Width	39.09 in / 993 mm
Height	1.57 in / 40 mm
Weight	40.79 lbs / 18.5 Kg
Glass	Low iron tempered with ARC
Frame	Black anodized aluminum
Junction Box	IP67
Connectors	MC4 Compatible

