Power Your Life

V-Series

355 - 360 W Mono 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

SEIA Solar Energy Industries Association® Member

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

Intertek 5001522

ISO9001
ISO14001
ISO50001
OHSAS 18001

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.

V-Series 355 - 360 W Mono Solar Panel

Performance at standard test condition (STC)*

		TS72-6M3-355	TS72-6M3-360	
Maximum Power	Pmax	355	360	W
Open Circuit Voltage	Voc	48.97	49.36	V
Maximum Power Voltage	Vmp	39.66	40.02	V
Short Circuit Current	Isc	9.60	9.64	A
Maximum Power Current	Imp	8.97	9.01	A
Tolerance of Maximum Power		+5 / -0		W
Module Efficiency		18.19	18.45	%
PTC Rating		323.7	328.1	W

*STC: Standard Test Condition, 1000W/m², AM 1.5, 25℃
*PTC: PVUSA Test Condition

Thermal Characteristics

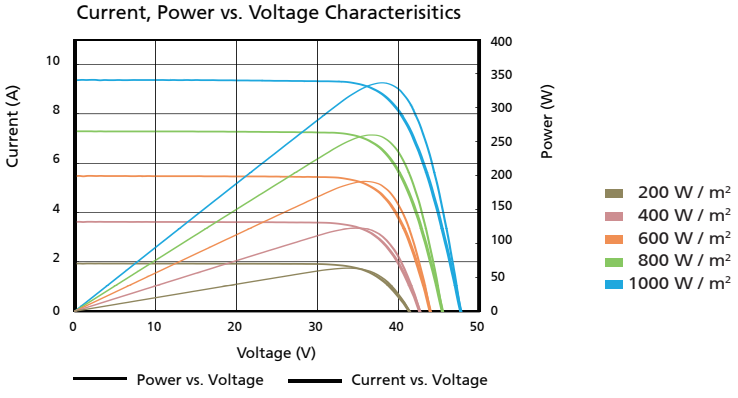
NOCT	113.9°F / 45.5℃
TC Isc	+0.069 % / °C
TC Voc	- 0.312 % / °C
TC Pmax	- 0.432 % / °C

*NOCT: Nominal Operating Cell Temperature
800 W/m², 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/m², NOCT, AM 1.5

		TS72-6M3-355	TS72-6M3-360	
Maximum Power	Pmax	261.39	265.43	W
Open Circuit Voltage	Voc	45.17	45.53	V
Maximum Power Voltage	Vmp	36.09	36.42	V
Short Circuit Current	Isc	7.87	7.91	A
Maximum Power Current	Imp	7.24	7.29	A

Module Characteristics

Cell Configuration	72 in series
Cell Type	6.17" Monocrystalline Silicon
Length	77.36 in / 1965 mm
Width	39.09 in / 993 mm
Height	1.57 in / 40 mm
Weight	47.4 lbs / 21.5 Kg
Glass	Low iron tempered with ARC
Frame	Black anodized aluminum
Junction Box	IP 67
Connectors	MC4 Compatible