Aegis M-type Module Specification

Monocrystalline 6X10 Solar Modules for Salt Field Type

315-340Wp

Aegis M Type

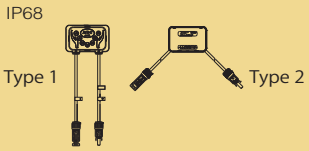
Electrial Data

Model Name			TS60-6M3-315 H1	TS60-6M3-320 H1	TS60-6M3-325 H1	TS60-6M3-330 H1	TS60-6M3-335 H1	TS60-6M3-340 H1
Max. power at STC	Pmax	W	315	320	325	330	335	340
Max. power voltage	Vpmax	V	33.3	33.5	33.7	33.9	34.1	34.4
Max. power current	Ipmax	A	9.48	9.58	9.67	9.76	9.84	9.91
Open circuit voltage	Voc	V	40.80	41.00	41.20	41.40	41.60	41.80
Short circuit current	Isc	A	10.18	10.24	10.30	10.36	10.41	10.47
Module Conversion Eff.		%	18.82%	19.12%	19.42%	19.72%	20.02%	20.32%

* Under Standard Test Condition(1,000W/m²,25°C,AM 1.5): Power Tolerance ±3%
* Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(㎡) x 1000 (w/㎡)))] x 100%

General Data

Cell type	6" Monocrystalline
Cell per module	Mono-crystalline silicon solar cell
Front	Low-iron tempered glass
Encapsulant Flim	Low water vapor transmission rate (WVTR) material
Rear	Anti-Salt Mist composite film
Frame	Anti-Salt Mist 6063T5 aluminum
Junction Box	IP68
Connector	EVO-2 / EVO-2 Compatible
Cable	1000mm / 12 AWG / 4mm²



Temperature Coefficient

Nominal Operating Cell Temperature	NOCT	°C	43±2
TC Isc	α	%/ °C	+0.07
TC Voc	β	%/ °C	- 0.28
TC Pmax	γ	%/ °C	- 0.37

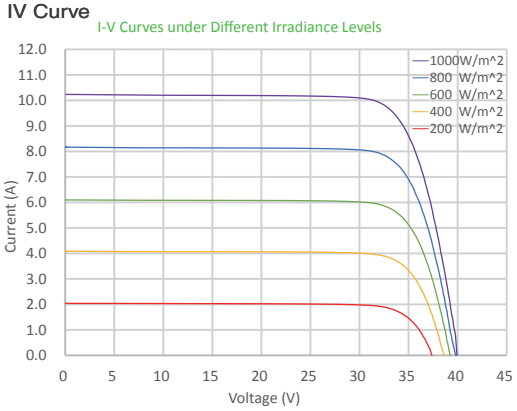
Operation Conditions

Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	15 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	5400 pa(front side) 3600 Pa(rear side)

Module Dimensions and Weight

Dimension	1,670 x 1002 x 40 mm
Weight	19.5 Kg

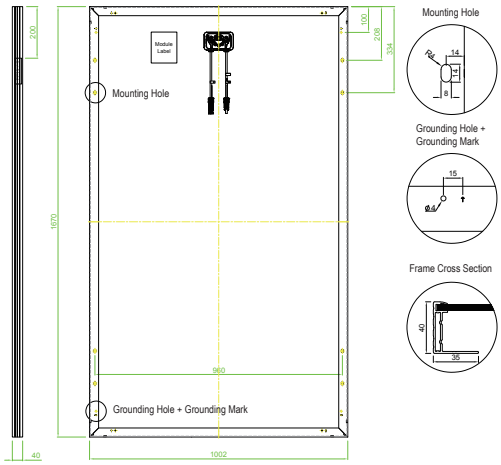
IV Curve

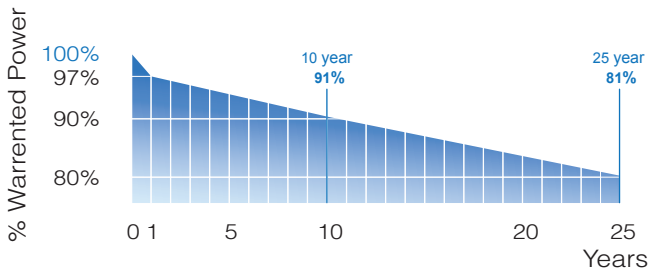


Certifications

- IEC 61215:2016、IEC 61730-1:2016 & IEC 61730-2:2016
- ISO 9001:2015 Quality management system
- ISO 14001:2015 Environmental management system
- ISO 45001:2018 Occupational health and safety management system

Engineering Drawing(mm)





Warranty

- 12-year materials and workmanship warranty
- 25-year linear power warranty

Made in Taiwan

* The information in this document is subject to change without notice

* TSEC reserves the rights of final interpretation and revision of datasheet.
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