

Aegis T-type Module Specification

Monocrystalline 6X20 Bifacial Solar Modules

320-345Wp



Electrical Data

Model			TS60-6MH-320 H2			TS60-6MH-325 H2			TS60-6MH-330 H2			TS60-6MH-335 H2			TS60-6MH-340 H2			TS60-6MH-345 H2		
			Front	Bifacial Gain		Front	Bifacial Gain		Front	Bifacial Gain		Front	Bifacial Gain		Front	Bifacial Gain		Front	Bifacial Gain	
				5%	10%		5%	10%		5%	10%		5%	10%		5%	10%		5%	10%
Max. power at STC	P _{max}	W	320	336	352	325	341	358	330	347	363	335	352	369	340	357	374	345	362	380
Max. power voltage	V _{pmax}	V	32.59	32.59	32.59	32.85	32.85	32.85	33.11	33.11	33.11	33.36	33.36	33.36	33.6	33.60	33.60	33.91	33.91	33.91
Max. power current	I _{pmax}	A	9.83	10.32	10.81	9.91	10.41	10.90	9.97	10.47	10.97	10.05	10.55	11.06	10.12	10.63	11.13	10.19	10.70	11.21
Open circuit voltage	V _{oc}	V	39.67	39.67	39.67	39.88	39.88	39.88	40.06	40.06	40.06	40.25	40.25	40.25	40.46	40.46	40.46	40.59	40.59	40.59
Short circuit current	I _{sc}	A	10.48	11.00	11.53	10.56	11.09	11.62	10.63	11.16	11.69	10.68	11.21	11.75	10.74	11.28	11.81	10.78	11.32	11.86
Module Conversion Eff.		%	18.76%	19.70%	20.64%	19.06%	20.01%	20.96%	19.35%	20.32%	21.29%	19.64%	20.63%	21.61%	19.94%	20.93%	21.93%	20.23%	21.24%	22.25%

* 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(m²) x 1000 (w/m²))] x 100%

General Data

Cell type	6" Monocrystalline
Cell per module	Mono-crystalline silicon solar cell (120pcs)
Front	Low-iron tempered glass
Encapsulant Film	Low water vapor transmission rate (WVTR) material
Rear	Tedlar® PVF grid transparent backsheet
Frame	Anti-Salt Mist 6063T5 aluminum (silver / black)
Junction Box	IP68
Connector	EVO-2 / EVO-2 Compatible
Cable	1000mm / 4mm ²



Operation Conditions

Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	20 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	5400 pa

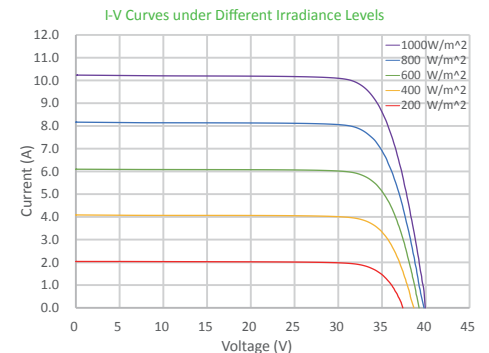
Temperature Coefficient

Nominal Operating Cell Temperature	NOCT	°C	44±2
TC I _{sc}	α	%/°C	0.048
TC V _{oc}	β	%/°C	-0.29
TC P _{max}	γ	%/°C	-0.36

Module Dimensions and Weight

Dimension	1702 x 1002 x 40mm
Weight	20 Kgs

IV Curve



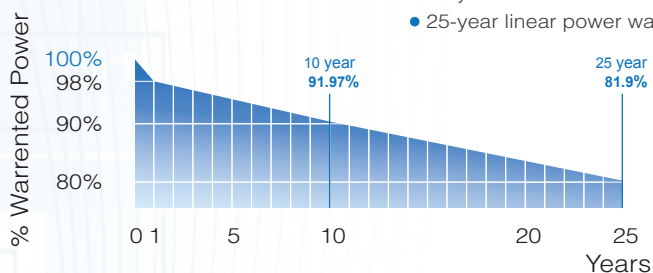
Certifications

- 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

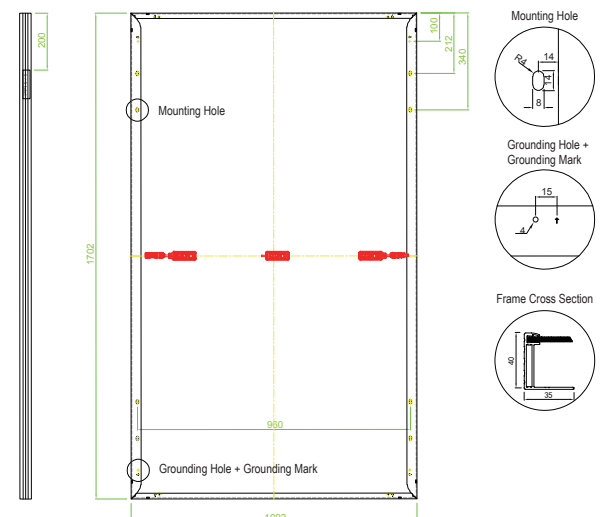


Warranty

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



Engineering Drawing (mm)



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 * Version : March 2022

TSEC Corporation

Taipei Headquarters | 8F., No.225, Sec3, Beixin Rd., Xindian Dist., New Taipei City 23143, Taiwan, R.O.C

T +886-2-2912-2199 F +886-2-2917-5399 M international.sales@tsecpv.com(Sales Contact) epc@tsecpv.com(EPC Construction Service)