

# Aegis R-type Module Specification

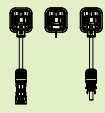
## Monocrystalline 6X20 Solar Modules for Rooftop Type

### 320-345Wp



Electrial Data							
Model Name		TS60-6MH-320 H1	TS60-6MH-325 H1	TS60-6MH-330 H1	TS60-6MH-335 H1	TS60-6MH-340 H1	TS60-6MH-345 H1
Max. power at STC	$P_{max}$ W	320	325	330	335	340	345
Max. power voltage	$V_{pmax}$ V	33.19	33.31	33.43	33.54	33.73	33.89
Max. power current	$I_{pmax}$ A	9.70	9.81	9.91	10.01	10.09	10.18
Open circuit voltage	$V_{oc}$ V	40.18	40.21	40.25	40.29	40.31	40.34
Short circuit current	$I_{sc}$ A	10.11	10.23	10.32	10.43	10.56	10.69
Module Conversion Eff.	%	18.76%	19.06%	19.35%	19.64%	19.94%	20.23%

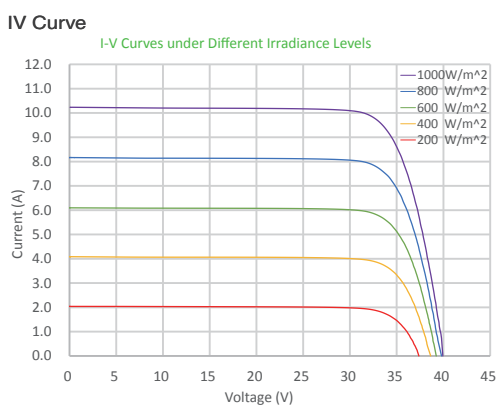
\* Under Standard Test Condition(1,000W/m<sup>2</sup>,25°C,AM 1.5): Power Tolerance ±3%  
 \* Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m<sup>2</sup>)) × 1000 (w/m<sup>2</sup>))] × 100%

General Data	
Cell type	6" Monocrystalline
Cell per module	Mono-crystalline silicon solar cell (120 pcs)
Front	Low-iron tempered glass
Encapsulant Film	Ethylene Vinyl Acetate(EVA)
Rear	Composite film
Frame	Anti-Salt Mist 6063T5 aluminum (silver / black)
Junction Box	IP68
	
Connector	EVO-2 / EVO-2 Compatible
Cable	1000mm / 12 AWG / 4mm <sup>2</sup>

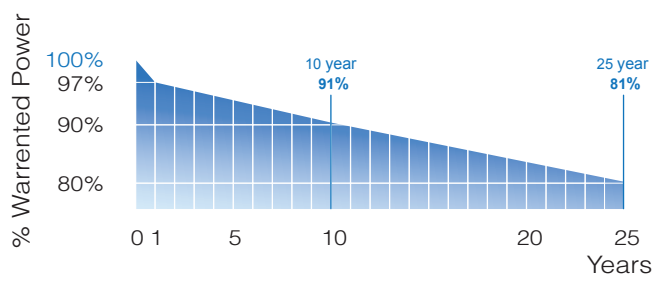
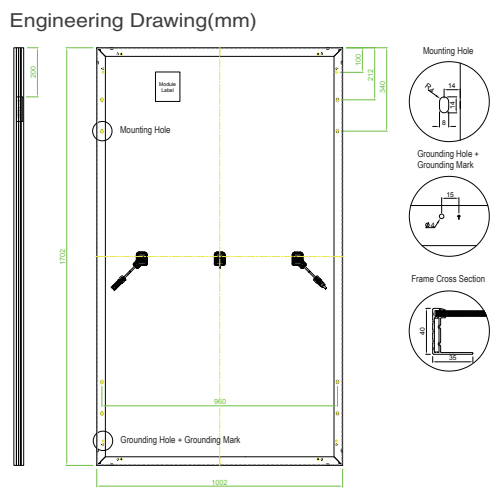
Temperature Coefficient			
Nominal Operating	NOCT	°C	43±2
Cell Temperature			
TC $I_{sc}$	$\alpha$	%/°C	+0.07
TC $V_{oc}$	$\beta$	%/°C	-0.33
TC $P_{max}$	$\gamma$	%/°C	-0.41

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	1,702x 1002 x 40 mm
Weight	20 Kg



- ### 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

**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

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