

Aegis R-type Module Specification

Monocrystalline 6X10 Solar Modules for Rooftop Type

300-325Wp



Performance Under Standard Test Conditions						
Model Name	TS60-6M3-300 H	TS60-6M3-305 H	TS60-6M3-310 H	TS60-6M3-315 H	TS60-6M3-320 H	TS60-6M3-325 H
Max. power at STC P_{max} W	300	305	310	315	320	325
Max. power voltage V_{mp} V	32.16	32.56	32.87	33.34	33.76	34.11
Max. power current I_{mp} A	9.33	9.37	9.43	9.45	9.48	9.53
Open circuit voltage V_{oc} V	39.77	39.92	39.95	39.98	40.11	40.30
Short circuit current I_{sc} A	10.10	10.12	10.16	10.20	10.29	10.35
Module Conversion Eff. %	18.3%	18.6%	18.9%	19.2%	19.6%	19.9%

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

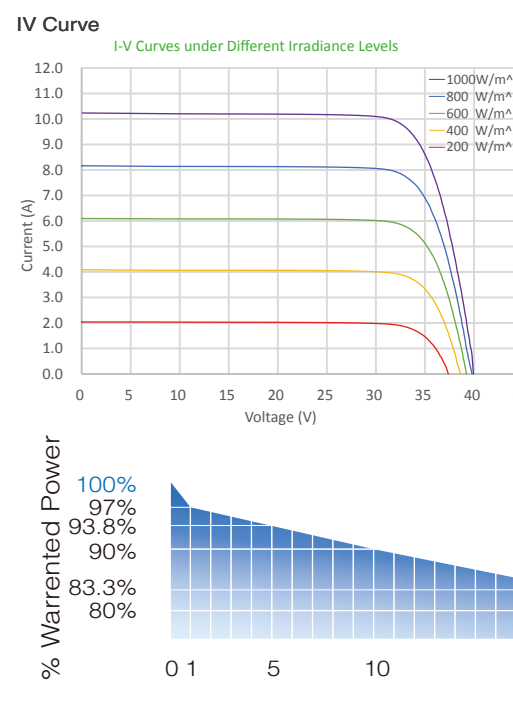
Component Material	
Cell type	6" Monocrystalline
Cell per module	Mono-crystalline silicon solar cell
Front	Low-iron glass / Tempered
Encapsulant Film	Ethylene Vinyl Acetate(EVA)
Rear	PET
Frame	6063T5 Anodized aluminum
Junction Box	IP68
Connector	MC4 Compatible
Cable	1000mm / 12 AWG / 4mm ²

Type 1 Type 2

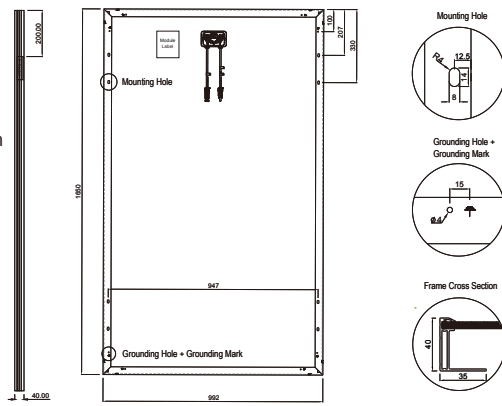
Thermal Characteristics			
Nominal Operating Cell Temperature	NOCT	°C	43 \pm 2
TC I_{sc}	α	%/ °C	+0.07
TC V_{oc}	β	%/ °C	- 0.28
TC P_{max}	δ	%/ °C	- 0.37

System Integration Parameters	
Max. system voltage	1500V
Module Fire Performance	Type 4 (UL 1703)
Safety Class	Class II (IEC 61140)
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 Characteristics	
Dimension	1,650 x 992 x 40 mm
Weight	18.5 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 50001:2011 Energy management system
 - OHSAS18001:2007 Occupational health and safety management system



Warranty

- 10-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 2019.

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