

# Aegis M-type Module Specification

## Monocrystalline 6X24 Solar Modules for Salt Field Type

### 385-415Wp



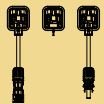
#### Electrial Data

Model Name	TS72-6MH-385 H1	TS72-6MH-390 H1	TS72-6MH-395 H1	TS72-6MH-400 H1	TS72-6MH-405 H1	TS72-6MH-410 H1	TS72-6MH-415 H1
Max. power at STC	P <sub>max</sub> W	385	390	395	400	405	415
Max. power voltage	V <sub>pmax</sub> V	40.37	40.42	40.48	40.52	40.55	40.61
Max. power current	I <sub>pmax</sub> A	9.54	9.66	9.77	9.88	9.99	10.24
Open circuit voltage	V <sub>oc</sub> V	47.29	47.52	47.71	47.95	48.17	48.59
Short circuit current	I <sub>sc</sub> A	10.21	10.29	10.37	10.44	10.51	10.65
Module Conversion Eff.	%	18.95%	19.19%	19.44%	19.68%	19.93%	20.42%

\* 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>) x 1000 (w/m<sup>2</sup>))] x 100%

#### General Data

Cell type	6" Monocrystalline
Cell per module	Mono-crystalline silicon solar cell (144 pcs)
Front	Low-iron tempered glass
Encapsulant Film	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	1200mm / 12 AWG / 4mm <sup>2</sup>



#### 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)

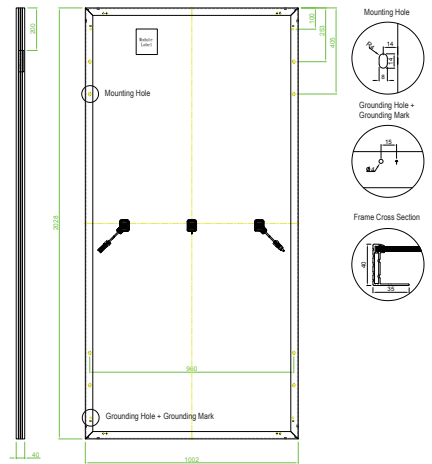
#### Temperature Coefficient

Nominal Operating	NOCT	°C	43±2
Cell Temperature			
TC I <sub>sc</sub>	α	%/°C	+0.06
TC V <sub>oc</sub>	β	%/°C	- 0.3
TC P <sub>max</sub>	γ	%/°C	- 0.38

#### Module Dimensions and Weight

Dimension	2,028 x 1002 x 40 mm
Weight	23Kg

#### Engineering Drawing(mm)

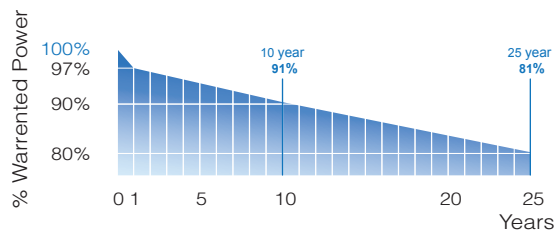


#### Certifications

- 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

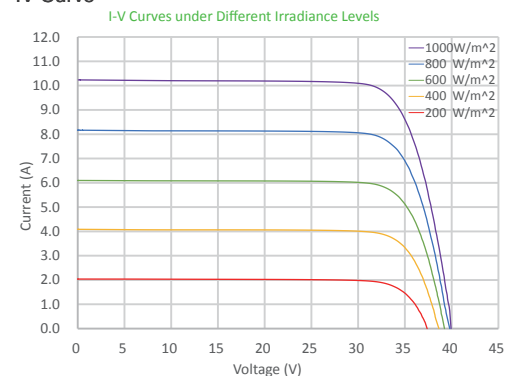


Management System  
 ISO 9001:2015  
 ISO 14001:2015  
 ISO 45001:2018  
 www.tuv.com  
 ID: 9105065471



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

#### IV Curve



**Made in Taiwan**

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 \* Version : Rev.2, April 2023

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