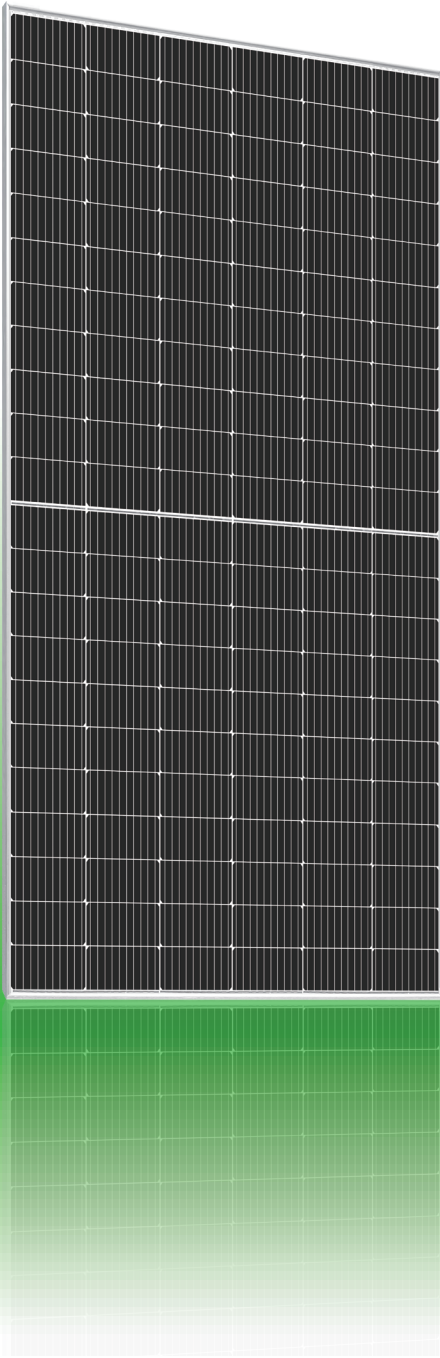




SkyHawk R-type Module Specification

Monocrystalline 6X22 Solar Modules for Rooftop Type

182mm / M10 Solar Cell

480~515Wp



The highest Mechanical Load Test in PV Industry



Better LCOE



Improved module power output performance by reducing module working temperature



Advanced Non-Destructive Cutting Technology



World's best PID resistant



Multi Busbar Technology



The toughest Salt Mist Test in PV Industry

Green Energy

Made in Taiwan



Sustainable Development



SkyHawk R-type Module Specification(182mm / M10 Solar Cell)

Monocrystalline 6X22 Solar Modules for Rooftop Type

480-515Wp



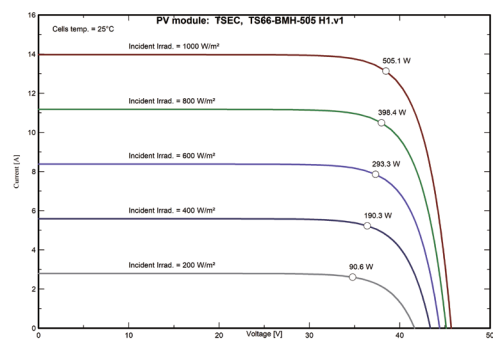
Electrial Data										
Model Name			TS66-BMH-480 H1	TS66-BMH-485 H1	TS66-BMH-490 H1	TS66-BMH-495 H1	TS66-BMH-500 H1	TS66-BMH-505 H1	TS66-BMH-510 H1	TS66-BMH-515 H1
Max. power at STC	Pmax	W	480	485	490	495	500	505	510	515
Max. power voltage	Vmp	V	37.78	37.93	38.08	38.23	38.38	38.53	38.68	38.93
Max. power current	Imp	A	12.71	12.79	12.87	12.95	13.03	13.11	13.19	13.27
Open circuit voltage	Voc	V	44.95	45.10	45.25	45.40	45.55	45.70	45.85	46.00
Short circuit current	Isc	A	13.59	13.67	13.74	13.82	13.90	13.97	14.04	14.11
Module Conversion Eff.	%		20.3%	20.5%	20.7%	20.9%	21.1%	21.3%	21.5%	21.7%
* Under Standard Test Condition(1,000W/m²,25°C,AM 1.5): Power Tolerance ±3%, Voc Tolerance ±3%, Isc Tolerance ±3%										
* Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m²) x 1000 (w/m²)))] x 100%										

Temperature Coefficient			
Nominal Operating	NOCT	°C	45±2
Cell Temperature			
TC Isc	α	%/ °C	+0.06
TC Voc	β	%/ °C	- 0.27
TC Pmax	γ	%/ °C	- 0.35

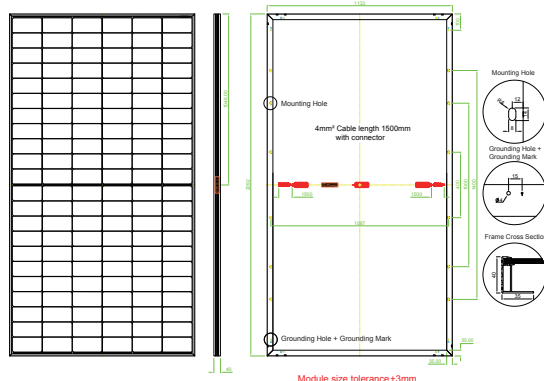
Operation Conditions	
Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	25 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	7100 pa(front side) 5400 Pa(rear side)
* Please follow installation manual provided by TSEC	

General Data	
Cell type	M10 Monocrystalline
Cell per module	Mono-crystalline silicon solar cell (132 pcs)
Front	Low-iron tempered glass
Encapsulant Film	Ethylene Vinyl Acetate(EVA)
Rear	Composite film
Frame	Anti-Salt Mist aluminum (silver/black)
Junction Box	IP68
Connector	EVO-2 Compatible
Cable	1500mm / 4mm ²

IV Curve

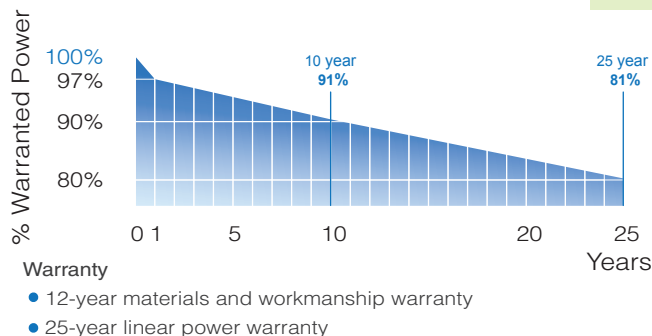


Engineering Drawing(mm)



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



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* Version : Rev.7, April 2025

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