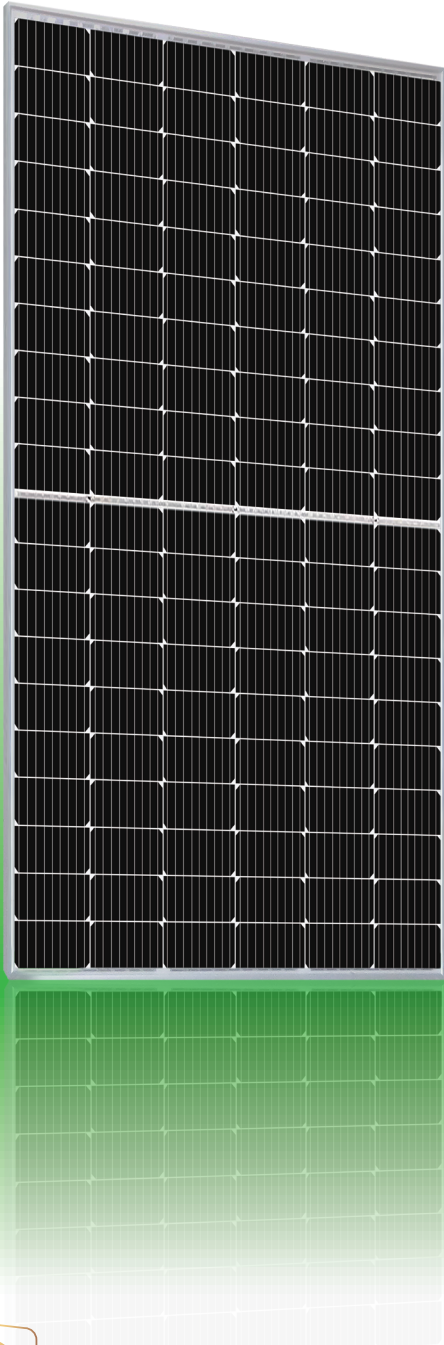




## SkyHawk R-type Module Specification

Monocrystalline 6X20 Solar Modules for Rooftop Type

166mm / M6 Solar Cell

# 375Wp / 380Wp



**Better LCOE**



**Multi Busbar Technology**



**Advanced Non-Destructive Cutting Technology**



**The toughest Salt Mist Test in PV Industry**



**The highest Mechanical Load Test in PV Industry**



**Improved module power output performance by reducing module working temperature**

Green Energy

Made in Taiwan



**Sustainable Development**



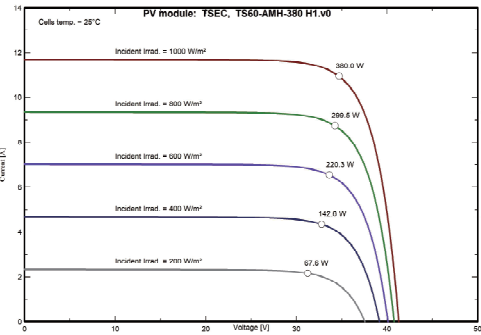
**SkyHawk R-type Module Specification(166mm / M6 Solar Cell)**  
**Monocrystalline 6X20 Solar Modules for Rooftop Type**  
**355-380Wp**



| Electrial Data                                                                                                    |  |        |                 |                 |                 |                 |                 |                 | General Data                                                                        |                                               |
|-------------------------------------------------------------------------------------------------------------------|--|--------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------------------------------------------------------------|-----------------------------------------------|
| Model Name                                                                                                        |  |        | TS60-AMH-355 H1 | TS60-AMH-360 H1 | TS60-AMH-365 H1 | TS60-AMH-370 H1 | TS60-AMH-375 H1 | TS60-AMH-380 H1 | Cell type                                                                           | M6 Monocrystalline                            |
| Max. power at STC                                                                                                 |  | Pmax W | 355             | 360             | 365             | 370             | 375             | 380             | Cell per module                                                                     | Mono-crystalline silicon solar cell (120 pcs) |
| Max. power voltage                                                                                                |  | Vmp V  | 33.80           | 34.00           | 34.20           | 34.40           | 34.60           | 34.80           | Front                                                                               | Low-iron tempered glass                       |
| Max. power current                                                                                                |  | Imp A  | 10.51           | 10.59           | 10.68           | 10.76           | 10.84           | 10.92           | Encapsulant Film                                                                    | Ethylene Vinyl Acetate(EVA)                   |
| Open circuit voltage                                                                                              |  | Voc V  | 40.32           | 40.50           | 40.70           | 40.90           | 41.10           | 41.30           | Rear                                                                                | Composite film                                |
| Short circuit current                                                                                             |  | Isc A  | 11.25           | 11.34           | 11.43           | 11.52           | 11.60           | 11.69           | Frame                                                                               | Anti-Salt Mist 6063T5 aluminum (silver/black) |
| Module Conversion Eff.                                                                                            |  | %      | 19.5%           | 19.8%           | 20.0%           | 20.3%           | 20.6%           | 20.9%           | Junction Box                                                                        | IP68                                          |
|                                                                                                                   |  |        |                 |                 |                 |                 |                 |                 |  |                                               |
| * Under Standard Test Condition(1,000W/m²,25°C,AM 1.5): Power Tolerance ±3%, Voc Tolerance ±3%, Isc Tolerance ±3% |  |        |                 |                 |                 |                 |                 |                 | Connector                                                                           | EVO-2 Compatible                              |
| * Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m²) x 1000 (w/m²)))] x 100%             |  |        |                 |                 |                 |                 |                 |                 | Cable                                                                               | 1400mm / 4mm²                                 |

| Temperature Coefficient |      |       |        | Operation Conditions         |                                           | Module Dimensions and Weight |                    |
|-------------------------|------|-------|--------|------------------------------|-------------------------------------------|------------------------------|--------------------|
| Nominal Operating       | NOCT | °C    | 45±2   | Max. system voltage          | 1500V                                     | Dimension                    | 1755x 1038 x 40 mm |
| Cell Temperature        |      |       |        | Module fire resistance class | Class C                                   | Weight                       | 20.5 Kg            |
| TC Isc                  | α    | %/ °C | 0.06   | Protection Class (IEC 61140) | Class II                                  |                              |                    |
| TC Voc                  | β    | %/ °C | - 0.31 | Series fuse rating           | 20 A                                      |                              |                    |
| TC Pmax                 | γ    | %/ °C | - 0.38 | Number of bypass diodes      | 3                                         |                              |                    |
|                         |      |       |        | Temperature range            | -40 to +85°C                              |                              |                    |
|                         |      |       |        | Max. mechanical load         | 5400 pa(front side)<br>3600 Pa(rear side) |                              |                    |

IV Curve

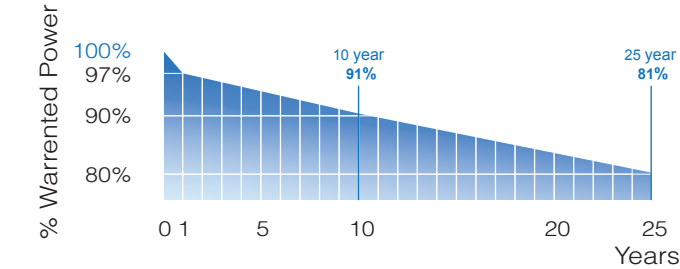
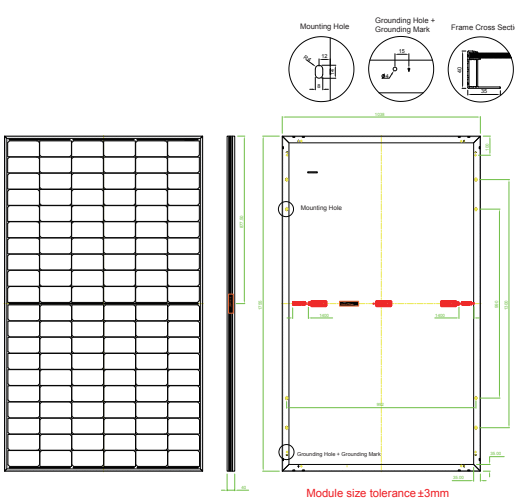


Certifications

- 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



Engineering Drawing(mm)



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 : Rev.5, April 2025

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