

TPSh-M6M120SH1W



Half Cell:

Half cell design allows the module to be operated in half of the original current, lowers the internal loss and decreases the CTM loss, generating more power.

Topray Solar half cell operates in lower temperature, decreases the risk of hot spot and the loss due to temperature coefficient, enhancing the performance and reliability.

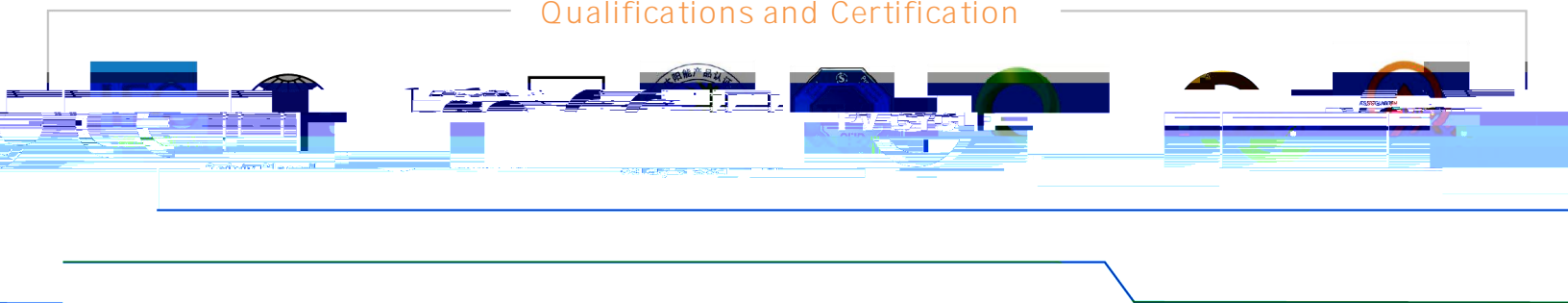
Module circuit separated into two sections that are connected in parallel. Combined with built-in bypass diodes, providing better performance under shading scenario.

Advanced laser cutting technology ensures no damage to the cell during cutting process.

Encapsulated with our own Topray Solar glass with highest effective solar transmittance from 380nm to 1100nm of 94.5% certified by National Lab, enhancing the performance and guarantees more operational hours during day to day usage.

Equipped with anti-soiling film and hydrophilic coating on the front glass, Topray Solar modules are capable of self-cleaning, ensuring maximum performance and requiring minimum manual cle

Qualifications and Certification



TPSh-M6M120SH1W

350-375W

Mechanical Specification

| | |
|------------------|--------------------------------|
| Cell Type | Mono Crystalline 166x83mm |
| Numbers of cells | 120 |
| Dimension | 1755X1038X30mm |
| Weight | 19.0kg |
| Front Glass | 3.2 mm low iron tempered glass |
| Frame | Anodized aluminum |
| Junction Box | IP 67, with 3 bypass diodes |
| Connector | MC4 compatible |
| Output Cables | TÜV, 350mm 4.0mm ² |

| Module Series | TPSh-M6M120SH1W | | |
|---------------------------------|-----------------|-----|--|
| Maximum Power at STC(Pmax) (W) | 350 | ± 4 | |
| Short Circuit Current(Isc) (A) | 11.15 | | |
| Open Circuit Voltage(Voc) (V) | 40.10 | | |
| Maximum Power Current(Imp) (A) | 10.42 | | |
| Maximum Power Voltage(Vmpp) (V) | 33.59 | | |
| Module Efficiency | 19.21% | | |
| Power Tolerance | 00± 3% | | |

Mechanical drawings (mm)

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| Nominal Operating Cell Temperature(NOCT) |
| Temperature Coefficient of Pmax() |
| Temperature Coefficient of Voc() |
| Temperature Coefficient of Isc() |
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| |

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