



TPSh-M12M132SH1W



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 .940Td.980Td(e)Tp.pTp.933p.40Td(t)Tj-39.12-

Qualifications and Certification

TPSh-M12M132SH1W

630-670W

Mechanical Specification

| | |
|------------------|--|
| Cell Type | Mono Crystalline 210x105 mm |
| Numbers of cells | 132 |
| Dimension | 2384x1303x35mm |
| Weight | 32KG |
| Front Glass | 3.2 mm low iron tempered glass |
| Frame | Anodized aluminum |
| Junction Box | IP 67, with 3 bypass diodes |
| Connector | MC4 comatible |
| Output Cables | TUV tested,length 450mm,4.0mm ² |

| Module Series | TPSh-M12M132SH1W | | | | |
|---------------------------------|------------------|--------|--------|--------|--------|
| Maximum Power at STC(Pmax) (W) | 630 | 640 | 650 | 660 | 670 |
| Short Circuit Current(Isc) (A) | 18.14 | 18.21 | 18.33 | 18.38 | 18.48 |
| Open Circuit Voltage(Voc) (V) | 44.52 | 44.92 | 45.25 | 45.74 | 46.11 |
| Maximum Power Current(Imp) (A) | 17.03 | 17.13 | 17.23 | 17.29 | 17.38 |
| Maximum Power Voltage(Vmpp) (V) | 37.00 | 37.37 | 37.74 | 38.18 | 38.56 |
| Module Efficiency | 20.28% | 20.60% | 20.92% | 21.25% | 21.57% |
| Power Tolerance | 0/+3% | 0/+3% | 0/+3% | 0/+3% | 0/+3% |

Mechanical drawings (mm)



TEMPERATURE CHARACTERISTICS

| | |
|--|----------|
| Nominal Operating Cell Temperature(NOCT) | 44±2°C |
| Temperature Coefficient of Pmax() | -0.4%/K |
| Temperature Coefficient of Voc() | -0.37%/K |
| Temperature Coefficient of Isc() | +0.05%/K |

PACKING CONFIGURATION

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