

HALF MONO 120PCS SERIES MODULE

Industry leading module power output warranty
International quality, safety and performance
certifications.

Manufacturing facility certified to ISO9001 quality
management system standards.

Beautiful appearance, good durability & easy
installation.

Special design in accordance with requirements
of customers.



FOR PRODUCT DEFECTS IN
MATERIALS / WORKMANSHIP



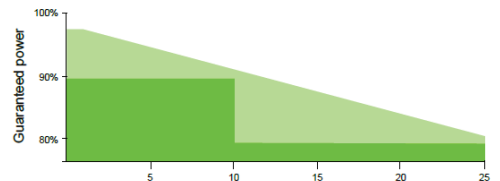
FOR 90% OF WARRANTED
MINIMUM POWER OUTPUT



FOR 80% OF WARRANTED
MINIMUM POWER OUTPUT



LINEAR WARRANTY

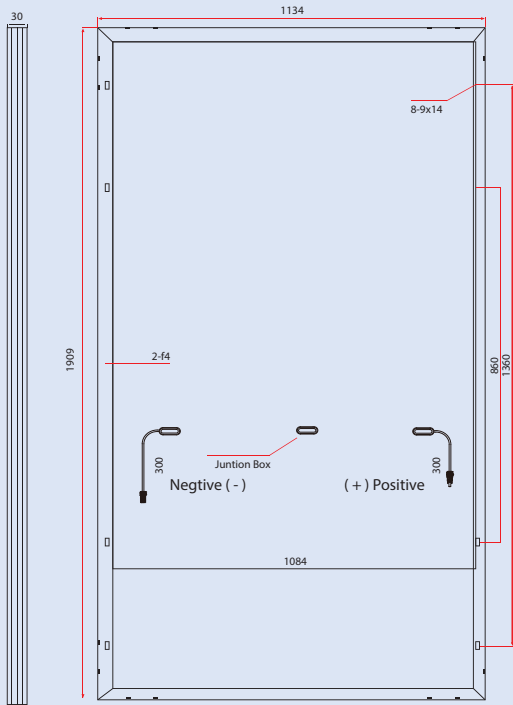




SR-460/455/450/445/-120HM

Product Specification

DIMENSIONS AND STRUCTURE



ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS (STC:AM=1.5, 1000W/M2, CELLS TEMPERATURE 25°C)

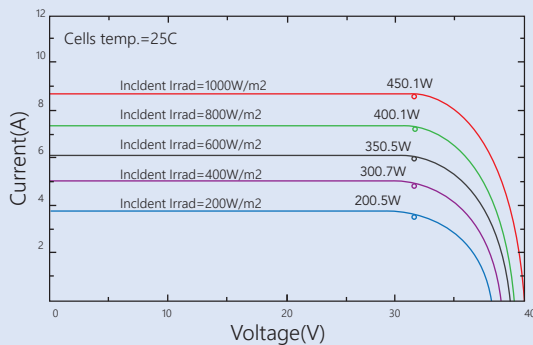
| Typical type | 460W | 455W | 450W | 445W |
|-----------------------------|--------------|-------|-------|-------|
| Max power (Pmax) | 460 | 455 | 450 | 445 |
| Max power voltage (Vmp) | 35.00 | 34.80 | 34.60 | 34.40 |
| Max power current (Imp) | 13.08 | 13.02 | 12.96 | 12.90 |
| Open circuit voltage (Voc) | 41.80 | 41.60 | 41.40 | 41.20 |
| Short circuit current (Isc) | 13.78 | 13.73 | 13.68 | 13.63 |
| Module Efficiency (%) | 21.25 | 21.02 | 20.79 | 20.56 |
| Max system voltage | DC 1500(TUV) | | | |
| Maximum Series Fuse Rating | 20A | | | |

MECHANICAL DATA

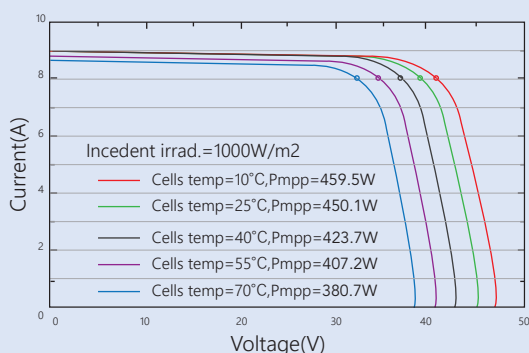
| | |
|-----------------|---------------------------------|
| Dimensions | 1909×1134×30mm |
| Weight | 24kgs |
| Front glass | 3.2 mm tempered glass |
| Output cables | 4 mm ² length 300 mm |
| Connectors | MC4 comatible ≥IP67 |
| Cell type | Mono Cell 182*91 mm |
| Number of cells | 120 cells in series |

I-V CURVE

I-V CURVES AT DIFFERENT IRRADIANCE



I-V CURVES AT DIFFERENT TEMPERATURE



TEMPERATURE CHARACTERISTICS

| | |
|--|---------------|
| Temp.Coeff.of Isc(TK Isc) | 0.05% / °C |
| Temp.Coeff.of Voc(TK Voc) °C Temp.Coeff.of | (-0.29%) / °C |
| Pmax(TK Pmax) | (-0.39%) / °C |
| Operating temperature | (-40~+85%) °C |
| Normal operating cell temperature | 45±2°C |

PACKING CONFIGURATION

| | |
|-----------------------|-------|
| Container | 40 HQ |
| Pieces per pallet | 36 |
| Pallets per container | 24 |
| Pieces per container | 864 |

TESTS,CERTIFICATIONS

| | |
|--------------------|-------------------------------------|
| Standard tests | IEC 61215, IEC 61730 |
| System certs | ISO 9001, ISO14001 |
| Certifications | CQC,TUV,CE,MCS,CEC,CHUBB |
| Extreme wind and | Withstand extreme wind(2400 Pascal) |
| Snow loads testing | Snow loads(5400 Pascal) |
| Positive tolerance | 0~+5W |
| Junction box | ≥IP67 |