

**QUALITY DESIGN
GREAT DURABILITY
EASY INSTALLATION**



HALF MONO 144PCS 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.

15
YEARS

FOR PRODUCT DEFECTS IN
MATERIALS / WORKMANSHIP

12
YEARS

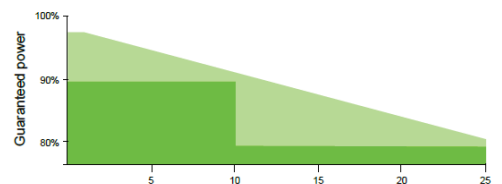
FOR 90% OF WARRANTED
MINIMUM POWER OUTPUT

25
YEARS

FOR 80% OF WARRANTED
MINIMUM POWER OUTPUT

25
YEARS

LINEAR WARRANTY

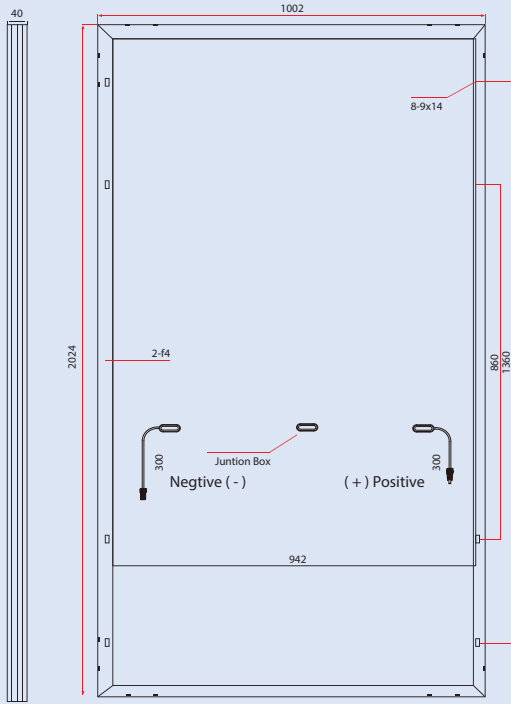




SR-410/405/400/395/-144M

Product Specification

DIMENSIONS AND STRUCTURE



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

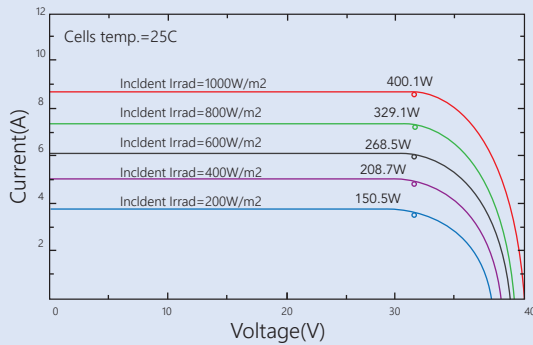
| Typical type | 410W | 405W | 400W | 395W |
|-----------------------------|--------------|-------|-------|-------|
| Max power (Pmax) | 410 | 405 | 400 | 395 |
| Max power voltage (Vmp) | 41.60 | 41.30 | 41.00 | 40.70 |
| Max power current (Imp) | 9.86 | 9.81 | 9.76 | 9.71 |
| Open circuit voltage (Voc) | 49.50 | 49.20 | 48.90 | 48.60 |
| Short circuit current (Isc) | 10.35 | 10.33 | 10.29 | 10.23 |
| Module Efficiency (%) | 20.20 | 20.00 | 19.70 | 19.50 |
| Max system voltage | DC 1500(TUV) | | | |
| Maximum Series Fuse Rating | 20A | | | |

MECHANICAL DATA

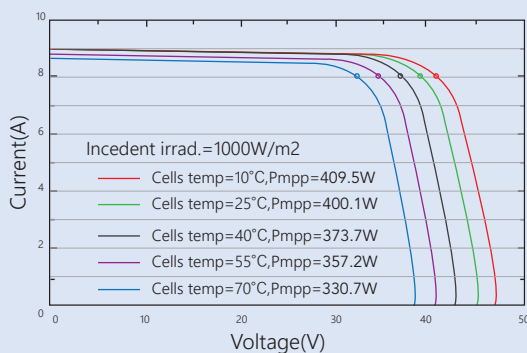
| | |
|-----------------|---------------------------------|
| Dimensions | 2024×1002×40mm |
| Weight | 23kgs |
| Front glass | 3.2 mm tempered glass |
| Output cables | 4 mm ² length 300 mm |
| Connectors | MC4 comatible ≥IP67 |
| Cell type | Mono Cell 158.75*79.375 mm |
| Number of cells | 144 cells 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) | 0.059% / °C |
| Temp.Coeff.of Voc(TK Voc) °C Temp.Coeff.of | (-0.30%) / °C |
| Pmax(TK Pmax) | (-0.39%) / °C |
| Operating temperature | (-40~+85%) °C |
| Normal operating cell temperature | 45±2°C |

PACKING CONFIGURATION

| | | | |
|-----------------------|-------|-------|-------|
| Container | 20 GP | 40 GP | 40 HQ |
| Pieces per pallet | 52 | 52 | 57 |
| Pallets per container | 5 | 11 | 11 |
| Pieces per container | 260 | 572 | 627 |

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 |

