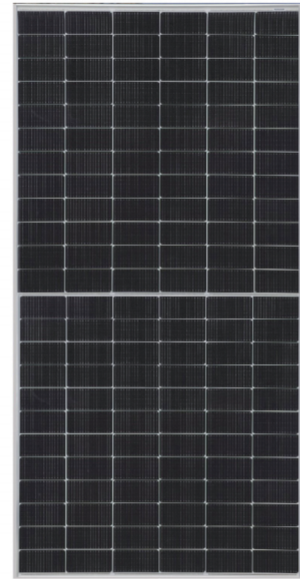




N-TOPCon BIFACIAL MONOCRYSTALLINE SOLAR MODULE

182-144 HALF CELL 555-585 WATT



QJPV linear warranty



12 Years

Limited Product Warranty



30 Years

Performance Warranty

1%

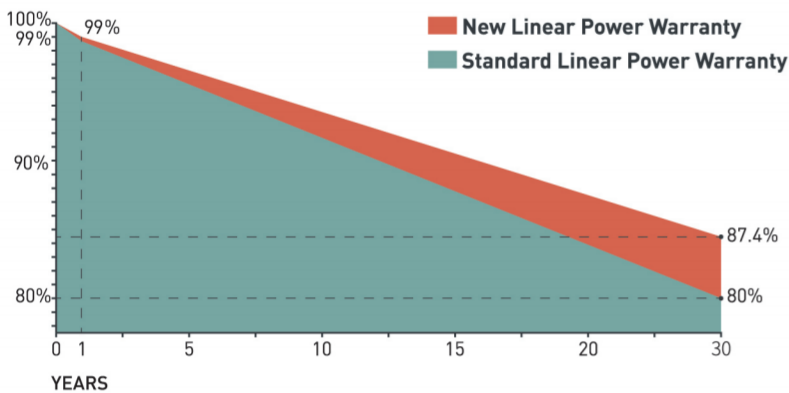
The First Year Degradation

0.4%

Linear Attenuation Of 0.4% Per Year Within 30 Years

30 Years

30 Years Performance Warranty



The solar panel characteristics



SMBB Cell Design



Low Degradation



High Reliability



Excellent Low-light Performance



PID Resistant



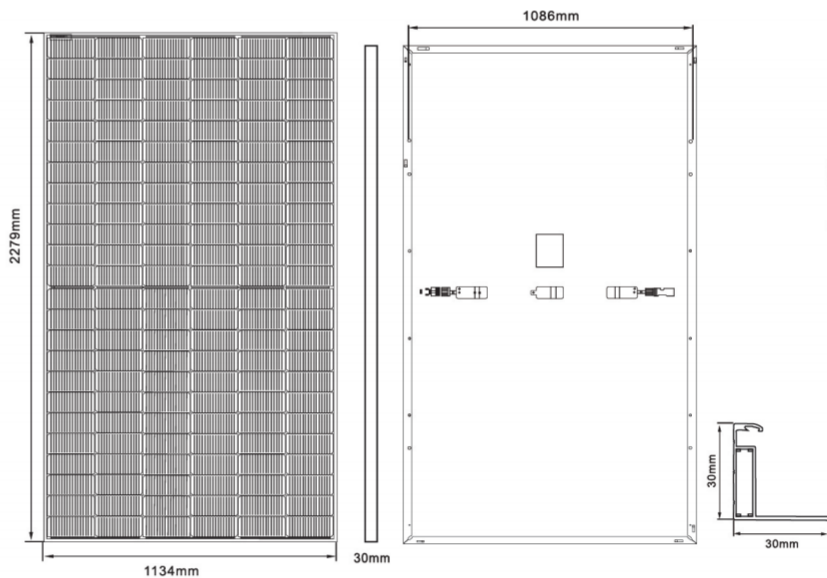
N-TOPCon BIFACIAL MONOCRYSTALLINE

182-144 HALF CELL 555-585 WATT

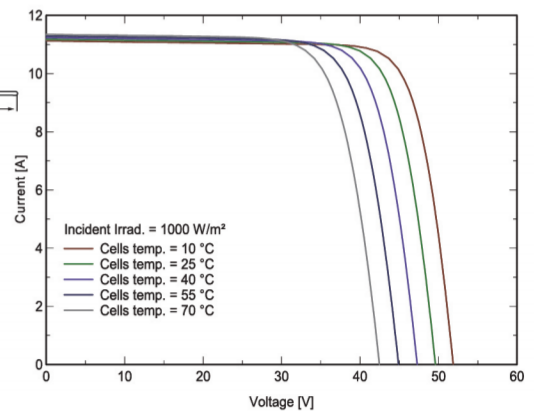
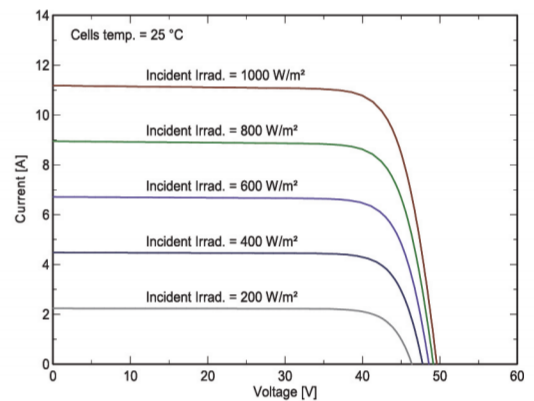
ELECTRICAL PERFORMANCE

| Module Type | QJM555-144HNDG | QJM560-144HNDG | QJM565-144HNDG | QJM570-144HNDG | QJM575-144HNDG | QJM580-144HNDG | QJM585-144HNDG |
|---------------------------------|----------------|----------------|--|----------------|----------------|----------------|----------------|
| | STC | STC | STC | STC | STC | STC | STC |
| Maximum Power(Pmax) | 555WP | 560WP | 565WP | 570WP | 575WP | 580WP | 585WP |
| Maximum Power Voltage(Vmp) | 42.75V | 42.92V | 43.08V | 43.25V | 43.42V | 43.58V | 43.75V |
| Maximum Power Current(Imp) | 12.99A | 13.05A | 13.12A | 13.18A | 13.25A | 13.31A | 13.38A |
| Open-circuit Voltage(Voc) | 51.3V | 51.5V | 51.7V | 51.9V | 52.1V | 52.3V | 52.5V |
| Short-circuit Current(Isc) | 13.69A | 13.76A | 13.82A | 13.89A | 13.96A | 14.02A | 14.10A |
| Module Efficiency STC(%) | 21.51% | 21.71% | 21.90% | 22.10% | 22.29% | 22.48% | 22.67% |
| Operating Temperature(°C) | -40°C - +85°C | | | | | | |
| Maximum System Voltage | 1500VDC | | | | | | |
| Maximum Series Fuse Rating | 30A | | | | | | |
| Power Tolerance | 0 ~ +5W | | | | | | |
| Temperature Coefficients Of Voc | -0.25%/°C | | Temperature Coefficients Of Pmax | | | -0.29%/°C | |
| Temperature Coefficients Of Isc | 0.045%/°C | | Nominal Operating Cell Temperature(NOCT) | | | 45±2°C | |

MODULE DIAGRAM



ELECTRICAL CURVES



*STC: Irradiance 1000W/m² Cell Temperature 25°C AM 1.5

MECHANICAL CHARACTERISTICS

| | |
|--|--|
| Front Cover | Tempered AR coated glass, 2.0mm |
| Solar Cell | 144(6*12+6*12)Monocrystalline |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68, 3 diodes |
| Protection Class | Class II |
| Front/Rear Side Maximum Static Loading | 5400Pa/2400Pa |
| Cables & Plug Connectors | 300mm, 4mm ² & MC4 compatible; customized |
| Application Level | Class A |
| Module Dimensions | 2279*1134*30mm(±1mm) |
| Module Weight | 32kg |

PACKING DETAILS

| | |
|-----------------------|--------|
| Container | 40HQ |
| Pieces per pallet | 36PCS |
| Pallets per container | 20P |
| Pallets per container | 720PCS |