



SRD72P-580N

580-600W

N-type TOPCon Bifacial
Solar PV Module

23.20%

Max. Module Efficiency

- Partial Shading Optimisation
- Better Temperature Coefficient
- High Temperature Restriction
- Micro-crack Resistance
- Higher Power
- Lower BOS
- More Aesthetic Values

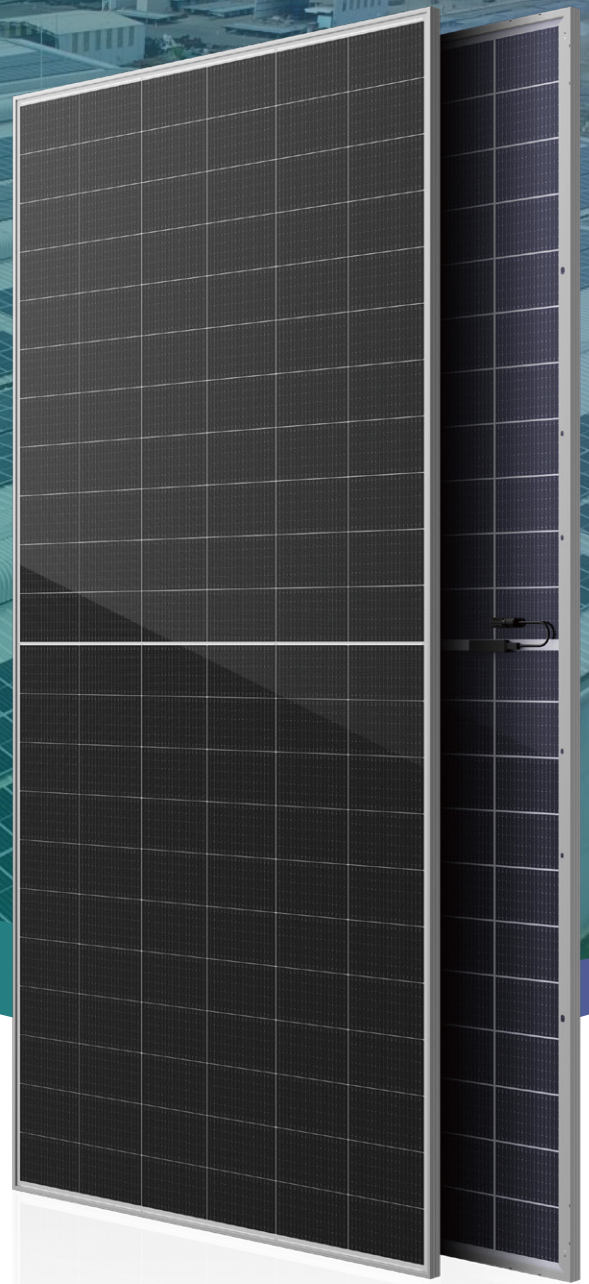
Quality Management System and Product Certification

IEC 61215, IEC 61730, UL 61730
 ISO9001:2015: ISO Quality Management System
 ISO14001: 2015: ISO Environment Management System
 ISO45001: 2018: Occupational Health and Safety
 IEC62941: Guideline for module design qualification and type approval



Add: 8th Floor, Area G, Building 3, 1201 Huafeng Road 230031 Hefei, China
 Email: info@sunrangeenergy.com Web: www.sunrangeenergy.com

Tel: +86 199 0966 3060
 Whatsapp: +86 199 0966 3060



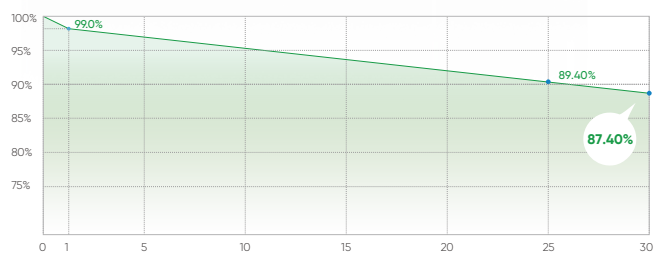
25
year

Product
Warranty

30
year

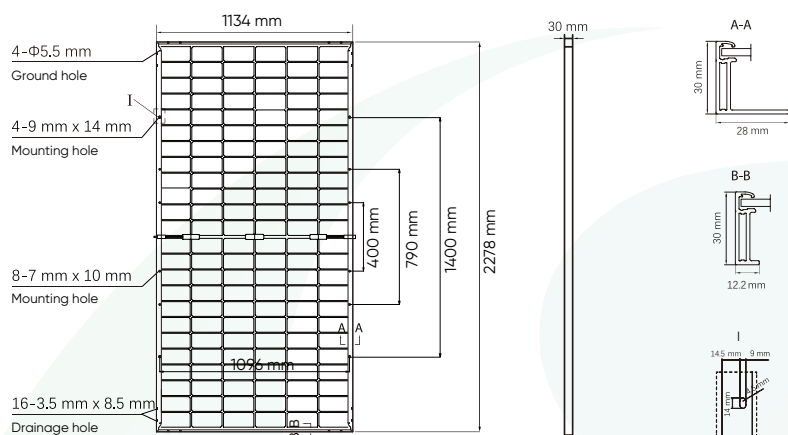
Performance
Warranty

Quality Guarantee

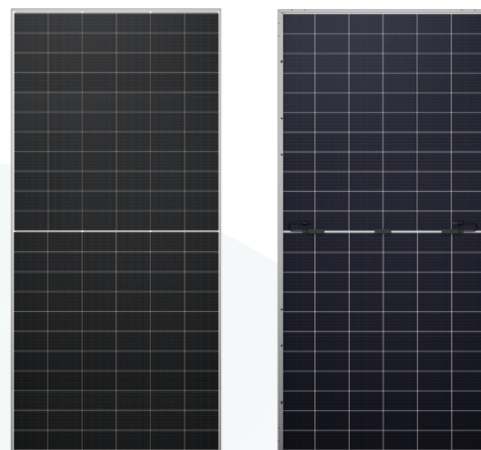


Drawings

(Unit: mm)



Product Image



Mechanical Characteristics

Cell Orientation	144
Junction Box	IP68, 3 diodes
Output Cable	4mm ² , ±1200mm length can be customized
Glass	Dual glass, 2.0 + 2.0mm coated semi tempered glass
Frame	Anodized aluminum alloy frame
Weight	31.1 kg
Dimension	2278±2×1134±2×30mm
Packaging	720 pcs per 40'HC
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Operating Parameters

Operational Temperature	[T ₉₈] ≤ 70°C
Power Output Tolerance	0~3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C

Temperature Ratings (STC*)

Temperature Coefficient of Isc	+0.043%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.29%/°C

Electrical Parameters (STC*)

Module Type:	(SRD72P-580N)	(SRD72P-585N)	(SRD72P-590N)	(SRD72P-595N)	(SRD72P-600N)
Maximum Power (Pmax/W)	580	585	590	595	600
Open Circuit Voltage (Voc/V)	43.70	43.88	44.05	44.21	44.38
Short Circuit Current (Isc/A)	13.27	13.33	13.40	13.46	13.52
Voltage at Maximum Power (Vmp/V)	52.21	52.42	52.62	52.81	53.01
Current at Maximum Power (Imp/A)	14.01	14.07	14.13	14.20	14.26
Module Efficiency (%)	22.5	22.6	22.8	23.0	23.2

Electrical Parameters (BNPI*)

Maximum Power (Pmax/W)	641.3	646.8	652.4	657.9	663.4
Open Circuit Voltage (Voc/V)	43.71	43.89	44.06	44.23	44.40
Short Circuit Current (Isc/A)	14.67	14.74	14.81	14.88	14.94
Voltage at Maximum Power (Vmp/V)	52.23	52.44	52.63	52.83	53.02
Current at Maximum Power (Imp/A)	15.55	15.62	15.69	15.76	15.83

*STC: AM1.5 1000W/m² 25°C *BNPI: Front side irradiance 1000W/m², Rear side irradiance 135W/m², Cell Temperature=25°C, AM=1.5 Power measurement tolerance:±3%

