# 260-300 WATT
## POLYCRYSTALLINE SOLAR PANELS

SNM-P300(72)
260/270/280/290/295/300W

**SUNEL introduces a new line of high performance crystalline solar panels for various applications ranging from 260 to 300 watts.**

### KEY FEATURES

- Solar cells offer high conversion efficiency to ensure high power
- High performance modules have an industry low tolerance of ±3%
- Can withstand high wind-pressure, snow load and extreme temperature
- Pass IEC 2400 Pa mechanical loading test

### QUALITY & SAFETY

- Power output warranty:
  10 years: 90%, 25 years: 80%
- 5-year warranty on product materials and processing technology
- ISO 9001:2008 (Quality Management System) certified factory
- IEC 61215, IEC 61730 certified products
- TUV, CE conformity

### APPLICATIONS

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power plants
- Off-grid system
- Other on-grid applications

ZHEJIANG SUN ENERGY CO., LTD
ADD:Jincheng Road, Jinhua City, Zhejiang,China.
Email: nicole@sunelcn.com

Visit www.sunelcn.com for details

## SPECIFICATIONS

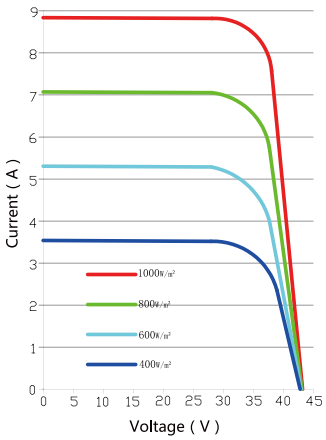
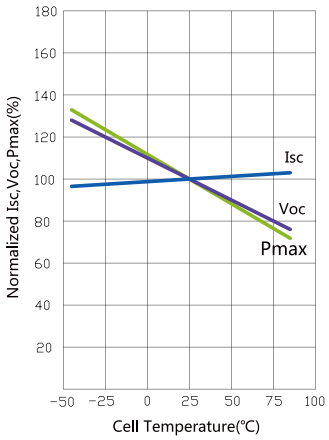
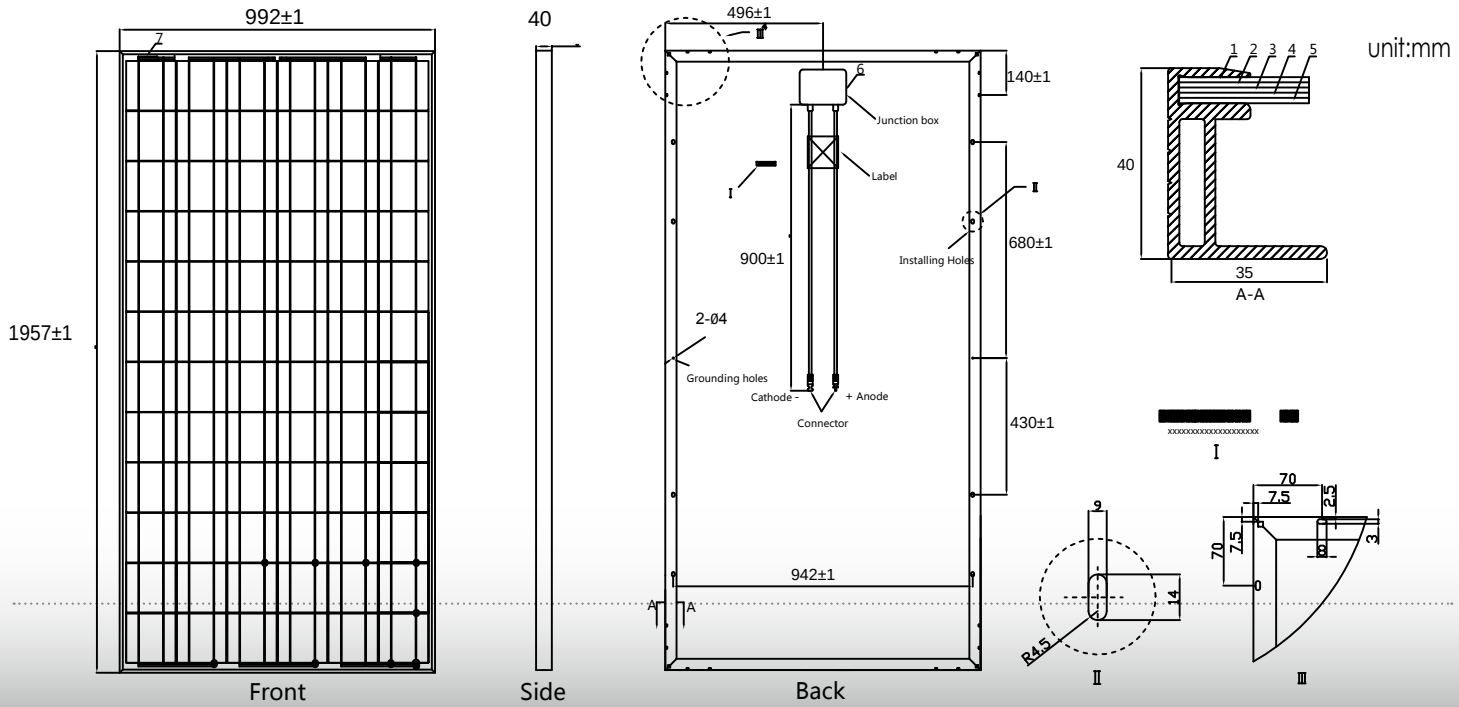
| Model Type | SNM-P260(72) | SNM-P270(72) | SNM-P275(72) | SNM-P280(72) | SNM-P285(72) | SNM-P290(72) | SNM-P295(72) | SNM-P300(72) |
|---|---|---|---|---|---|---|---|---|
| Maximum Power (Pmax) | 260Wp | 270Wp | 275Wp | 280Wp | 285Wp | 290Wp | 295Wp | 300Wp |
| Density (Wp/m$^2$) | 133.9 | 139.1 | 141.7 | 144.2 | 146.8 | 149.4 | 152.0 | 154.5 |
| Maximum Power Voltage (Vmp) | 35.53V | 35.68V | 35.72V | 35.81V | 35.90V | 35.96V | 36.07V | 36.09V |
| Maximum Power Current (Imp) | 7.32A | 7.57A | 7.70A | 7.82A | 7.94A | 8.07A | 8.18A | 8.25A |
| Open-Circuit Voltage (Voc) | 44.03V | 44.20V | 44.28V | 44.35V | 44.43V | 44.51V | 44.59V | 44.65V |
| Short-Circuit Current (Isc) | 7.88A | 8.12A | 8.25A | 8.39A | 8.52A | 8.68A | 8.78A | 8.85A |
| Output of the cells (%) | 15.30% | 15.90% | 16.20% | 16.40% | 16.70% | 17.00% | 17.30% | 17.60% |
| Output of the module (%) | 13.40% | 13.90% | 14.20% | 14.40% | 14.70% | 14.90% | 15.20% | 15.50% |
| No. of Diode | 6 | | | | | | | |
| Maximum System Voltage | 1000V | | | | | | | |
| Maximum Series Fuse Rating | 15A | | | | | | | |
| Power Tolerance | ±3% | | | | | | | |
| Temperature Coefficients of Pmax | -0.47%/°C | | | | | | | |
| Temperature Coefficients of Voc | -0.40%/°C | | | | | | | |
| Temperature Coefficients of Isc | 0.05%/°C | | | | | | | |
| Nominal Operating Cell Temperature (NOCT) | 48±2°C | | | | | | | |

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

## MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Cell Type | Poly-crystalline 156x156mm (6 inch) |
| No. of Cells | 72 (6x12) |
| Dimensions | 1957x992x40mm |
| Weight | 23kg |
| Front Glass | 3.2mm High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP67 Rated |
| Output Cables | TUV \| 1x4.0mm2 \| Length 900mm |

## PACKAGING CONFIGURATION

| | |
|---|---|
| Packing Configuration | 2 pcs / box |
| Quantity / Pallet | 20 pcs / pallet |
| Loading Quantity | 180 pcs/20GP or 440 pcs /40GP |

## I-V CURVES & TEMPERATURE DEPENDENCE OF ISC, VOC, PMAX