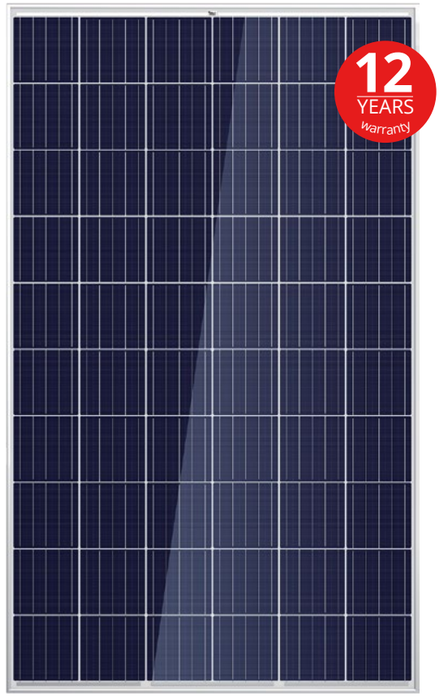
# NEOSUN NS-260P|265P|270P

NEOSUN's Solar PV Module use the latest innovative 5BB cell technology to ensure high cell performance efficiency up to 19.0% (16.6% module efficiency).

With its low unit cost and long service life this solar panel is an excellent solution for home and farm as well as for industrial use. The NEOSUN NS-260P solar panel is able to increase a system power output and reliability.




19.0%

### EXCELLENT CELLS EFFICIENCY

We use only 5BB Grade-A Cells with efficiency up to 19.0% achieved through advanced cell manufacturing technology

Weak Sunlight

### EXCELLENT WEAK LIGHT PERFORMANCE

Solar modules from NEOSUN Energy have excellent weak light performance (morning, evening and cloudy days)

+8W

### POSITIVE POWER TOLERANCE

Guarantee from 0 to +8W as power tolerance, you can obtain more power than conventional output

### SAND AND SALT PROTECTION

Reliable quality leads to a better sustainability even in harsh environment like desert or coastline

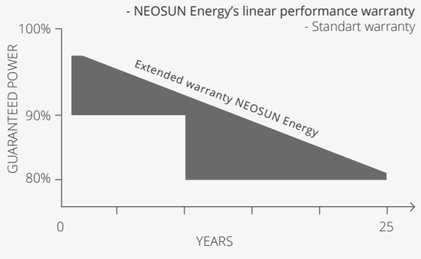
35mm
Ultrathin

### PANEL THICKNESS

The latest technologies allow us to make thin and light solar modules. Easy installation and transportation

### HIGH WIND AND SNOW RESISTANCE

NEOSUN Energy modules withstand snow load of up to 550 kg/m² and wind speed of up to 162km/h




For a period of twenty-five (25)years commencing on the Warranty Start Date, loss of power output of the nominal power output measured at Standard Test Conditions (ST C) for the Product(s) shall not exceed:

1. For Polycrystalline Products: 2% in the first year, thereafter 0.67% per year.ending with 82% in the 25th year after the Warranty Start Date.

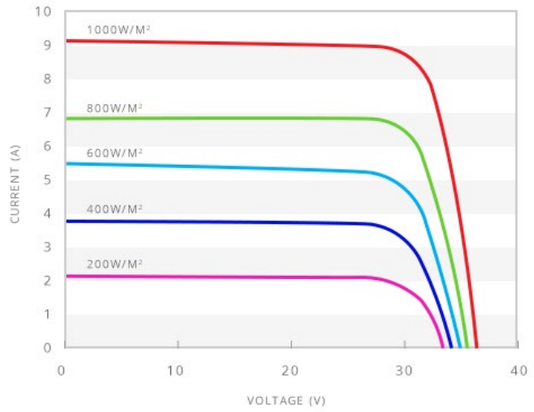
2. For Monocrystalline Products: 3 % in the first year, thereafter 0.67% per year, ending with 81 % in the 25th year after the Warranty Start Date.

The Warranty Start Date shall be defined as the date of the Bill of Lading date

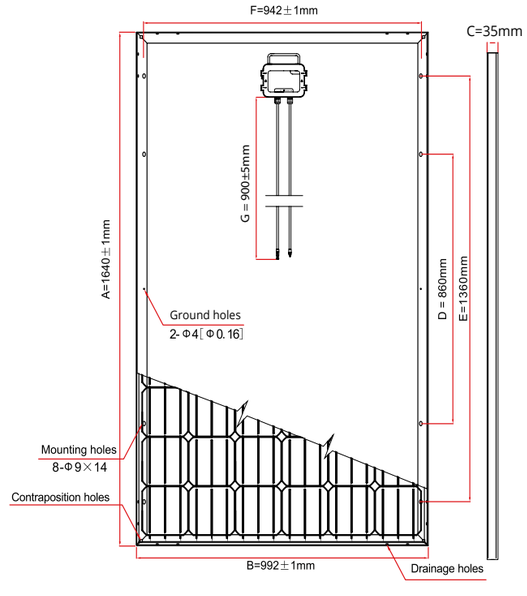


## I-V curves

I-V Curves of PV module NEOSUN 260W at different light power




## Dimensions




**Caution: read safety and installation instructions before using this product**

## Electrical characteristics

| | | | |
|---|---|---|---|
| Solar cells: | Poly-crystalline 5BB, 6 inch, 6x10 pcs | | |
| Max Power | 260W | 265W | 270W |
| Power Tolerance | 0 to +8W | | |
| Voltage at Pmax (Vmp) | 31.3V | 31.5V | 31.7V |
| Current at Pmax (Imp) | 8.31A | 8.41A | 8.52A |
| Open-Circuit Voltage (Voc) | 38.2V | 38.4V | 38.7V |
| Short-Circuit Current (Isc) | 8.99A | 9.10A | 9.22A |
| Module Efficiency | 16.0% | 16.3% | 16.6% |
| Max-System Voltage (VDC) | 1000V(IEC), 600V(UL) | | |
| No. of Bypass Diodes (pcs.) | 3 | | |
| Max Series Fuse (A) | 15A | | |
| Temperature Coefficient of Pmax | -0.40% / °C | | |
| Temperature Coefficient of Voc | -0.30% / °C | | |
| Temperature Coefficient of Isc | 0.06% / °C | | |
| Nominal Operating Cell t°C | 45 ± 2°C | | |

*STC Conditions (1000W/m2; 1.5 AM and 25°C Cell temperature)

## Mechanical Characteristics

| | |
|---|---|
| Cable type, Diameter and Length | Φ =4mm2, L=900±5mm |
| Type of Connector | Compatible type MC4 |
| Dimension AxBxC | 1640x992x35mm |
| Weight | 17.6 kg |
| Front Glass | Tempered with AR coating |
| Junction Box (protection degree) | IP67 Rated |
| Frame | Clear anodized aluminum alloy |

## Qualification Test Parameters

| | |
|---|---|
| Dielectric Insulation Voltage | 6000VDC max |
| Operating Temperature | -40°C to +85°C |
| Max load | 5400Pa |
| Hailstone impact | 25mm at 23m/s |
| Fire safety class | Class C |

## Packaging Configuration

| Container | 20'GP | 40'HQ |
|---|---|---|
| Pieces per pallet | 60 | 66 |
| Pallets per container | 6 | 14 |
| Pieces per container | 360 | 924 |