

PV MODULE

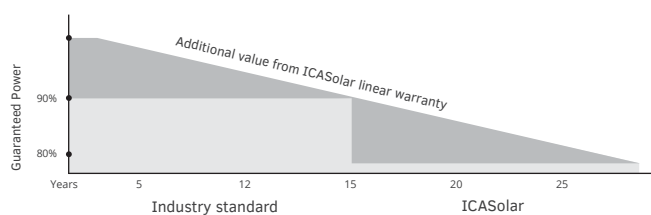
POLYCRYSTALLINE

50-310 Wp



Polycrystalline panels are made up from the silicon offcuts, moulded to form blocks and create a cell made up of several bits of pure crystal and it is identifiable by its signature light or dark blue colour, but not uniformly some patches are lighter than others. The differences in appearance come about as a result of the manufacturing process.

However, this mis-alignment can help in some circumstances, because the cells work better from light at all angles, in low light, etc.



PID FREE
PID tested with excellent results under the harshest conditions



CRAFTED WITH PASSION



10 YEARS PRODUCT GUARANTEE
UPGRADEABLE TO 25 YEARS AS A PREMIUM OPTION



CONSTANTLY HIGH CELL QUALITY
through strict quality examinations by highresolution electroluminescence and infrared measurements



25 YEARS LINEAR PERFORMANCE WARRANTY

QUALITY SIGNED AND SEALED



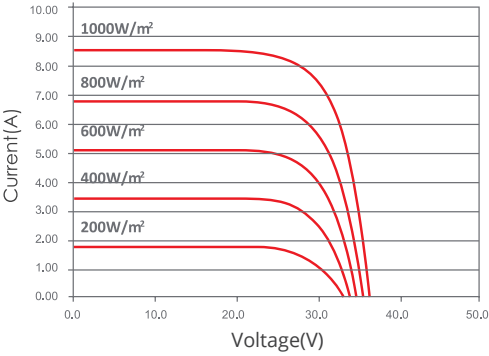
TECHNICAL SPECIFICATION

| CHARACTERISTICS | UNIT | 50W | 100W | 135W | 150W | 200W | 260W | 310W | |
|------------------------------|------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| Maximum Power (Pmax) | W | 50 | 100 | 135 | 150 | 200 | 260 | 310 | |
| Power Tolerance | % | +3 | +3 | +3 | +3 | +3 | +3 | +3 | |
| Maximum Power Voltage (Vmp) | V | 17.60 | 17.60 | 17.40 | 17.60 | 35.20 | 30.63 | 37.00 | |
| Maximum Power Current (Imp) | A | 2.85 | 5.69 | 7.76 | 8.53 | 5.69 | 8.49 | 8.38 | |
| Open Circuit Voltage (Voc) | V | 22.50 | 22.60 | 21.90 | 22.6 | 45.60 | 37.98 | 45.45 | |
| Short Circuit Current (Isc) | A | 3.04 | 6.09 | 8.00 | 9.01 | 6.02 | 9.04 | 8.85 | |
| No. of Cells | Cell | 36 | 36 | 36 | 36 | 72 | 60 | 72 | |
| Weight | Kg | 4.5 | 7.7 | 12 | 11 | 15.3 | 19 | 26 | |
| Dimension of module | mm | 700x510x30 | 1020x670x30 | 1480x670x30 | 1470x670x30 | 1320x992x40 | 1650x991x40 | 1956x991x45 | |
| Pmax Temperature Coefficient | %/C | | | | | | -0.44 | | |
| Voc Temperature Coefficient | %/C | | | | | | -0.30 | | |
| Isc Temperature Coefficient | %/C | | | | | | +0.05 | | |
| Maximum System Voltage | VDC | 1000 (TUV);600(UL) | | | | | | | |
| Maximum Series Fuse Rating | A | 15 | | | | | | | |
| Operating Temperature | C | -40 ~ +85 | | | | | | | |
| NOCT | C | 45±2 | | | | | | | |

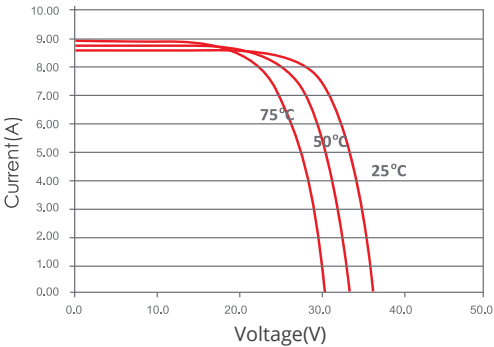
STC:1000W/m2.AM1.5 and 25 C cell temperature: NOCT : Nominal Operating Cell Temperature

I-V CURVES

I-V Curves of PV Module 260 Wp
(Cell Temp. 25 C)



I-V Curves of PV Module 250 Wp
at Different Cell Temp. (AM1.5, 1000W/m²)



PHYSICAL CHARACTERISTICS

