

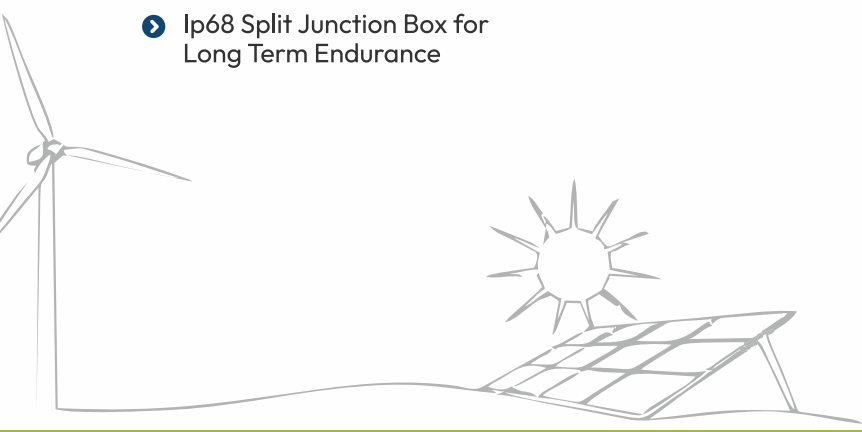
IPOWER MAXIMUS

High-efficiency Mono PERC M10 solar PV modules

156 Cells
560-590W
output range

What Makes our Panels **ICONIC**

- 100% Pre and Post EL Checking to ensure micro crack free module
- Ensured PID resistance through cell Process and module material process
- 100% Hi-POT Testing to Ensure Safety
- Salt and Ammonia Resistant
- Mechanical performance Up to 5400 Pa Positive load and 2400 Pa negative load
- Ip68 Split Junction Box for Long Term Endurance



12
YEARS
MANUFACTURING WARRANTY

27
YEARS
PERFORMANCE WARRANTY

 Excellent Module Efficiency

 Superior temperature co-efficient & performance at NOCT

 Anti-Reflective (AR) Coated Glass for Enhanced Power

 High Reliability with Multi Busbar Technology

 Excellent performance at low light irradiation

TECHNICAL DATASHEET

IPOWER MAXIMUS

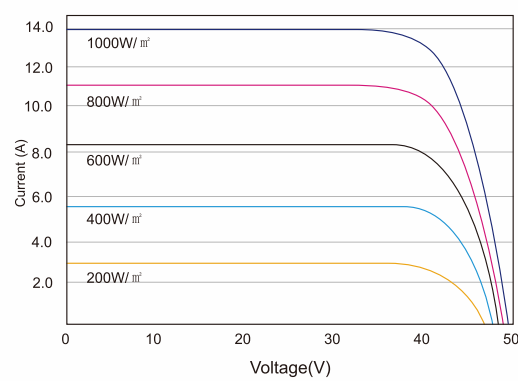
Model No. : ISEN*** (***) = 560 -590)

Electrical Data - All data measured at STC*

| Peak Power Watts-PMAX (Wp) | 560 | 565 | 570 | 575 | 580 | 585 | 590 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Max. Power Voltage-VMPP (V) | 43.60 | 43.80 | 44.00 | 44.20 | 44.40 | 44.60 | 44.80 |
| Max. Power Current-IMPP (A) | 12.85 | 12.91 | 12.96 | 13.01 | 13.07 | 13.12 | 13.17 |
| Open Circuit Voltage-VOC (V) | 52.70 | 52.80 | 52.90 | 53.00 | 53.10 | 53.20 | 53.30 |
| Short Circuit Current-ISC (A) | 13.49 | 13.55 | 13.60 | 13.69 | 13.77 | 13.87 | 13.94 |
| Module Efficiency η_m (%) | 20.03 | 20.21 | 20.39 | 20.57 | 20.75 | 20.90 | 21.10 |

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM 1.5.

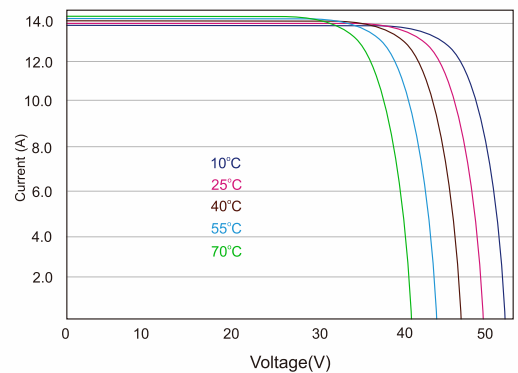
IV Curves



Electrical Data - at NOCT**

| Peak Power Watts-PMAX (Wp) | 421 | 425 | 429 | 433 | 436 | 440 | 444 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Max. Power Voltage-VMPP (V) | 40.70 | 40.88 | 41.07 | 41.26 | 41.44 | 41.63 | 41.82 |
| Max. Power Current-IMPP (A) | 10.35 | 10.40 | 10.44 | 10.48 | 10.53 | 10.57 | 10.61 |
| Open Circuit Voltage-VOC (V) | 49.19 | 49.28 | 49.38 | 49.47 | 49.56 | 49.66 | 49.75 |
| Short Circuit Current-ISC (A) | 10.87 | 10.92 | 10.96 | 11.03 | 11.10 | 11.18 | 11.23 |
| Module Efficiency η_m (%) | 20.03 | 20.21 | 20.39 | 20.57 | 20.75 | 20.90 | 21.10 |

**NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.



Temperature Co-efficient (Tc)

| | |
|--|----------------|
| Temperature Co-efficient for Isc %/°C (α) | 0.0289 |
| Temperature Co-efficient for Voc %/°C (β) | -0.208 |
| Temperature Co-efficient for power %/°C (γ) | -0.23 |
| NOCT | 45°C \pm 2°C |

Maximum Rating

| | |
|----------------------|-------------------------|
| Fuse Rating | 25 Amps |
| System Voltage | 1500 VDC |
| Operating Conditions | -40°C to +85°C & 85% RH |
| Max. Design Load | 5400 Pa |

PRODUCT CERTIFICATION

