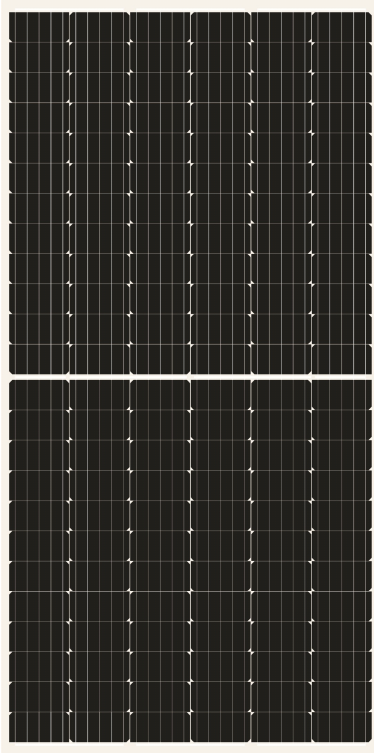




AS-6M-HC PERC

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 19.25% by using Half-cell design and Passivated Emmitter Rear Contact (PERC) technology.
- Low temperature coefficient and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.
- Positive power tolerance of 0 ~ +3 %.

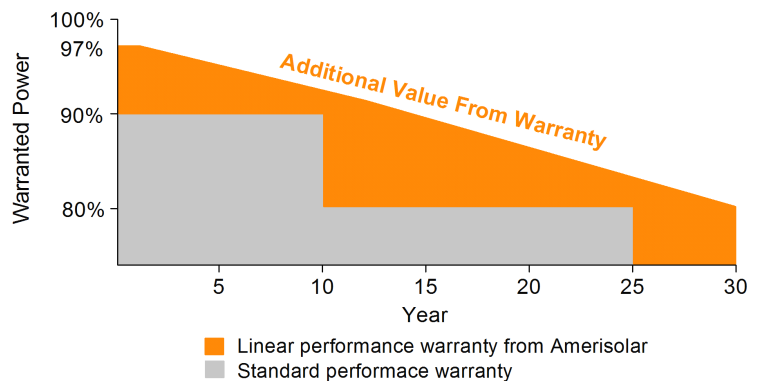
CERTIFICATIONS

- IEC61215, IEC61730, IEC62716, IEC61701, CE, CQC, CGC, ETL(USA), JET(Japan), J-PEC(Japan), Kemco(South Korea), KS(South Korea), MCS(UK), CEC(Australia), FSEC(FL-USA), CSI Eligible(CA-USA), Israel Electric(Israel), InMetro(Brazil), TSE(Turkey)
- ISO9001:2015: Quality management system
- ISO14001:2015: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

SPECIAL WARRANTY

- 12 years limited product warranty.
- Limited linear power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.

Passionately
committed to
delivering innovative
energy solution



ELECTRICAL CHARACTERISTICS AT STC

| | | | | | | | |
|---------------------------------------|---|-------|-------|-------|-------|-------|--------|
| Nominal Power (P_{max}) | 350W | 355W | 360W | 365W | 370W | 375W | 380W |
| Open Circuit Voltage (V_{OC}) | 46.8V | 47.0V | 47.2V | 47.4V | 47.6V | 47.8V | 48.0V |
| Short Circuit Current (I_{SC}) | 9.62A | 9.70A | 9.77A | 9.85A | 9.92A | 9.99A | 10.06A |
| Voltage at Nominal Power (V_{mp}) | 38.3V | 38.5V | 38.7V | 38.9V | 39.1V | 39.3V | 39.5V |
| Current at Nominal Power (I_{mp}) | 9.14A | 9.23A | 9.31A | 9.39A | 9.47A | 9.55A | 9.63A |
| Module Efficiency (%) | 17.73 | 17.98 | 18.24 | 18.49 | 18.74 | 19.00 | 19.25 |
| Operating Temperature | -40°C to +85°C | | | | | | |
| Maximum System Voltage | 1000V DC | | | | | | |
| Fire Resistance Rating | Type 1(in accordance with UL1703)/Class C(IEC61730) | | | | | | |
| Maximum Series Fuse Rating | 20A | | | | | | |

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

ELECTRICAL CHARACTERISTICS AT NOCT

| | | | | | | | |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Nominal Power (P_{max}) | 261W | 264W | 268W | 272W | 276W | 279W | 283W |
| Open Circuit Voltage (V_{OC}) | 43.1V | 43.3V | 43.5V | 43.7V | 43.9V | 44.1V | 44.3V |
| Short Circuit Current (I_{SC}) | 7.79A | 7.86A | 7.91A | 7.98A | 8.04A | 8.09A | 8.15A |
| Voltage at Nominal Power (V_{mp}) | 34.9V | 35.1V | 35.3V | 35.5V | 35.7V | 35.9V | 36.1V |
| Current at Nominal Power (I_{mp}) | 7.48A | 7.52A | 7.59A | 7.66A | 7.73A | 7.77A | 7.84A |

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

MECHANICAL CHARACTERISTICS

| | |
|-------------------|---|
| Cell type | Monocrystalline PERC 156.75x78.375mm (6x3inches) |
| Number of cells | 144 (6x24) |
| Module dimensions | 1990x992x40mm (78.35x39.06x1.57inches) |
| Weight | 23kg (50.7lbs) |
| Front cover | 3.2mm (0.13inches) tempered glass with AR coating |
| Frame | Anodized aluminum alloy |
| Junction box | IP68, 3 diodes |
| Cable | 4mm ² (0.006inches ²) |
| Connector | MC4 or MC4 compatible |

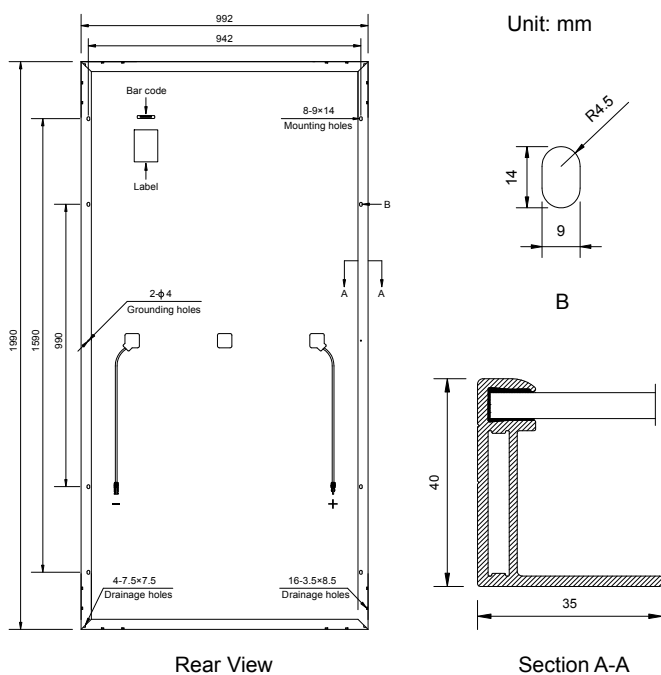
TEMPERATURE CHARACTERISTICS

| | |
|---|-----------|
| Nominal Operating Cell Temperature (NOCT) | 43°C±2°C |
| Temperature Coefficients of P_{max} | -0.37%/°C |
| Temperature Coefficients of V_{OC} | -0.29%/°C |
| Temperature Coefficients of I_{SC} | 0.052%/°C |

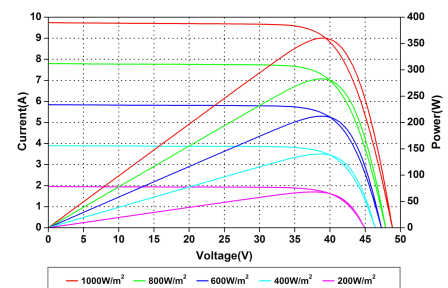
PACKAGING

| | |
|-----------------------------------|-----------------------|
| Standard packaging | 26pcs/pallet |
| Module quantity per 20' container | 260pcs |
| Module quantity per 40' container | 572pcs(GP)/616pcs(HQ) |

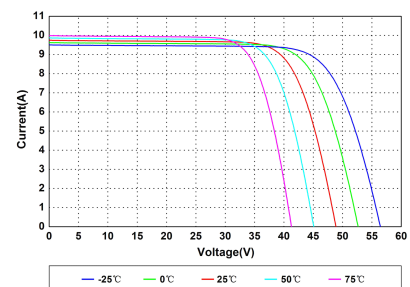
ENGINEERING DRAWINGS



IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.