

AS-6P30-ET/EW

265W~285W

POLYCRYSTALLINE MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 17.33% by using high efficient solar cells and advanced manufacturing technology.
- Lower annual power degradation and higher energy yield during the module's lifetime.
- High load-bearing capacity which can withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Excellent reliability and durability against extreme environmental conditions (high resistance to salt mist, ammonia, sand, acid and alkali, etc.).
- Potential induced degradation (PID) free.

CERTIFICATIONS

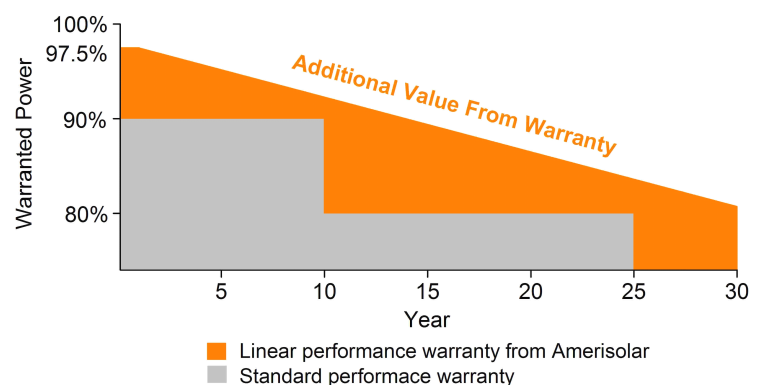
- IEC61215, IEC61730, CE
- ISO 9001:2015: Quality management system
- ISO 14001:2015: Environmental management system
- ISO 45001:2018: Occupational health and safety management system



SPECIAL WARRANTY

- 20 years product warranty
- 30 years linear power output warranty

Passionately
committed to
delivering innovative
energy solution



ELECTRICAL CHARACTERISTICS AT STC

| | | | | | |
|---------------------------------------|--------------------|-------|-------|-------|-------|
| Maximum Power (P_{max}) | 265W | 270W | 275W | 280W | 285W |
| Open Circuit Voltage (V_{oc}) | 38.3V | 38.5V | 38.7V | 38.9V | 39.1V |
| Short Circuit Current (I_{sc}) | 8.99A | 9.08A | 9.18A | 9.27A | 9.36A |
| Voltage at Maximum Power (V_{mp}) | 31.2V | 31.4V | 31.6V | 31.8V | 32.0V |
| Current at Maximum Power (I_{mp}) | 8.50A | 8.60A | 8.71A | 8.81A | 8.91A |
| Module Efficiency (%) | 16.11 | 16.42 | 16.72 | 17.02 | 17.33 |
| Operating Temperature | -40°C to +85°C | | | | |
| Maximum System Voltage | 1500V DC | | | | |
| Fire Resistance Rating | Class A (IEC61730) | | | | |
| Maximum Series Fuse Rating | 20A | | | | |

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of P_{max}: 0~+3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

| | | | | | |
|---------------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (P_{max}) | 196W | 200W | 204W | 207W | 211W |
| Open Circuit Voltage (V_{oc}) | 35.3V | 35.5V | 35.7V | 35.9V | 36.1V |
| Short Circuit Current (I_{sc}) | 7.28A | 7.35A | 7.44A | 7.51A | 7.58A |
| Voltage at Maximum Power (V_{mp}) | 28.4V | 28.6V | 28.8V | 29.0V | 29.2V |
| Current at Maximum Power (I_{mp}) | 6.91A | 7.00A | 7.09A | 7.14A | 7.23A |

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

MECHANICAL CHARACTERISTICS

| | |
|-------------------|---|
| Cell type | Polycrystalline 6inch |
| Number of cells | 60 (6x10) |
| Module dimensions | 1658x992x6mm (Junction box is not included) |
| Weight | 23kg |
| Front Glass | 2.5mm Tempered glass with AR coating |
| Back Glass | 2.5mm Tempered glass/2.5mm Ceramic coated glass |
| Junction box | IP68, 3 diodes |
| Cable | 4mm ² , 300mm |
| Connector | MC4 or MC4 compatible |

TEMPERATURE CHARACTERISTICS

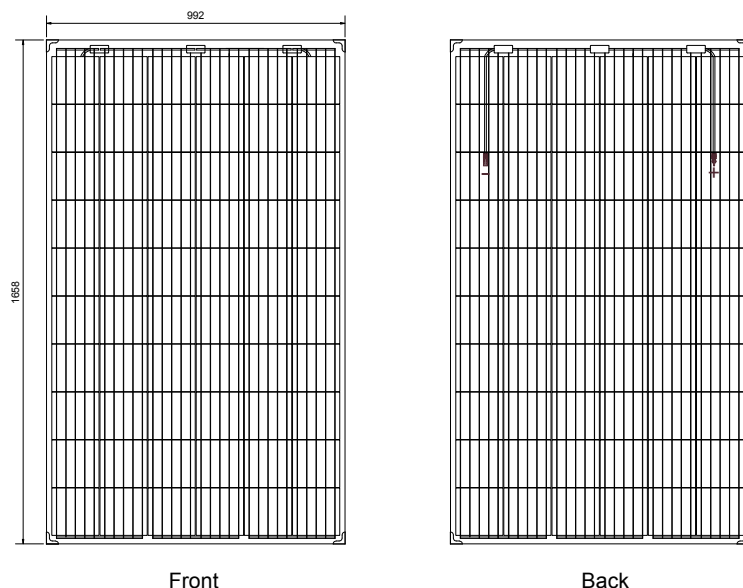
| | |
|---|-----------|
| Nominal Operating Cell Temperature (NOCT) | 45°C±2°C |
| Temperature Coefficients of P_{max} | -0.39%/°C |
| Temperature Coefficients of V_{oc} | -0.30%/°C |
| Temperature Coefficients of I_{sc} | 0.05%/°C |

PACKAGING

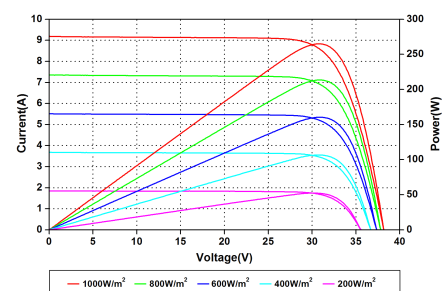
| | |
|-----------------------------------|--------------|
| Standard packaging | 33pcs/pallet |
| Module quantity per 20' container | 198Pcs |
| Module quantity per 40' container | 858pcs |

ENGINEERING DRAWINGS

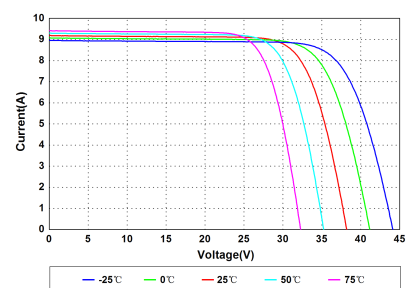
Unit: mm



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.