



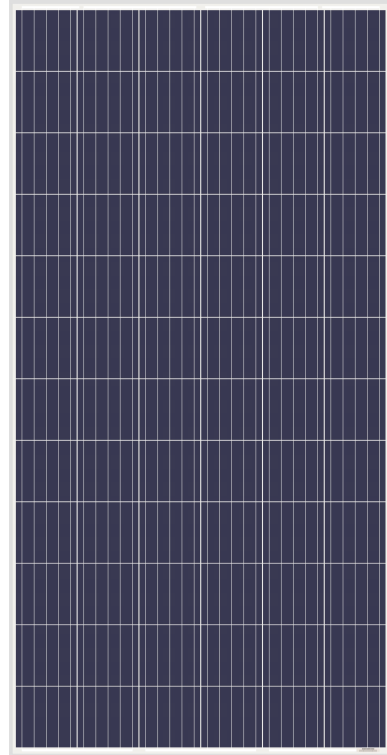
# ASK-P 72Cells

## POLYCRYSTALLINE MODULE

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### KEY FEATURES

- ❖ High module conversion efficiency up to 18.04% by using high efficient solar cells and advanced manufacturing technology.
- ❖ Low degradation 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 %.



### WARRANTY

- ❖ 10 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.



## ELECTRICAL CHARACTERISTICS AT STC

|                                       |                |       |       |       |       |
|---------------------------------------|----------------|-------|-------|-------|-------|
| Nominal Power ( $P_{max}$ )           | 330W           | 335W  | 340W  | 345W  | 350W  |
| Open Circuit Voltage ( $V_{OC}$ )     | 45.9V          | 46.1V | 46.3V | 46.5V | 46.7V |
| Short Circuit Current ( $I_{SC}$ )    | 9.36A          | 9.44A | 9.52A | 9.60A | 9.68A |
| Voltage at Nominal Power ( $V_{mp}$ ) | 37.3V          | 37.5V | 37.7V | 37.9V | 38.1V |
| Current at Nominal Power ( $I_{mp}$ ) | 8.85A          | 8.94A | 9.02A | 9.11A | 9.19A |
| Module Efficiency (%)                 | 17.01          | 17.26 | 17.52 | 17.78 | 18.04 |
| Operating Temperature                 | -40°C to +85°C |       |       |       |       |
| Maximum System Voltage                | 1000V DC       |       |       |       |       |
| Fire Resistance Rating                | Class C        |       |       |       |       |
| Maximum Series Fuse Rating            | 15A            |       |       |       |       |

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

## ELECTRICAL CHARACTERISTICS AT NOCT

|                                       |       |       |       |       |       |
|---------------------------------------|-------|-------|-------|-------|-------|
| Nominal Power ( $P_{max}$ )           | 244W  | 248W  | 252W  | 256W  | 259W  |
| Open Circuit Voltage ( $V_{OC}$ )     | 42.2V | 42.4V | 42.6V | 42.8V | 43.0V |
| Short Circuit Current ( $I_{SC}$ )    | 7.58A | 7.65A | 7.71A | 7.78A | 7.84A |
| Voltage at Nominal Power ( $V_{mp}$ ) | 33.9V | 34.1V | 34.3V | 34.5V | 34.7V |
| Current at Nominal Power ( $I_{mp}$ ) | 7.20A | 7.28A | 7.35A | 7.42A | 7.47A |

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind Speed 1 m/s

## MECHANICAL CHARACTERISTICS

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Cell type         | Polycrystalline 156.75x156.75mm (6x6inches)                        |
| Number of cells   | 72 (6x12)                                                          |
| Module dimensions | 1956x992x40mm (77.01x39.06x1.57inches)                             |
| Weight            | 22.5kg (49.6lbs)                                                   |
| Front cover       | 3.2mm (0.13inches) tempered glass with AR coating                  |
| Frame             | Anodized aluminum alloy                                            |
| Junction box      | IP67, 3 diodes                                                     |
| Cable             | 4mm <sup>2</sup> (0.006inches <sup>2</sup> ), 1000mm (39.37inches) |
| Connector         | MC4 or MC4 compatible                                              |

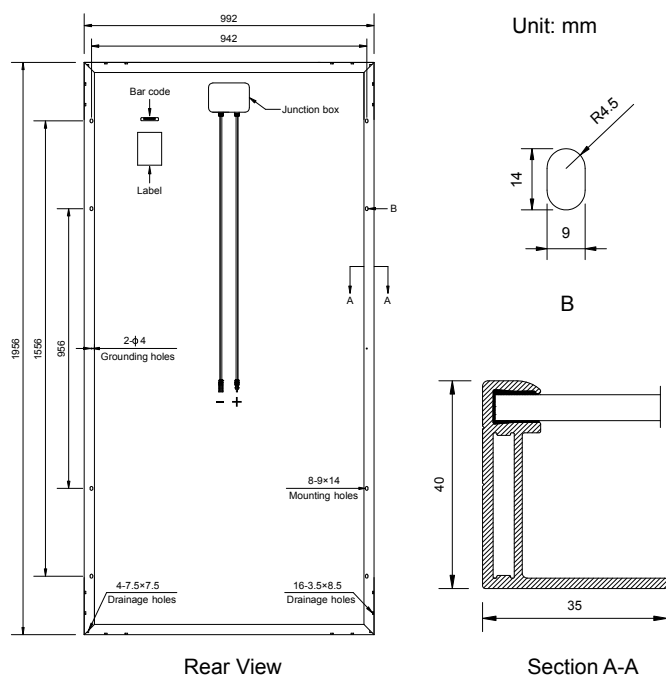
## TEMPERATURE CHARACTERISTICS

|                                           |           |
|-------------------------------------------|-----------|
| Nominal Operating Cell Temperature (NOCT) | 45°C±2°C  |
| Temperature Coefficients of $P_{max}$     | -0.40%/°C |
| Temperature Coefficients of $V_{OC}$      | -0.30%/°C |
| Temperature Coefficients of $I_{SC}$      | 0.05%/°C  |

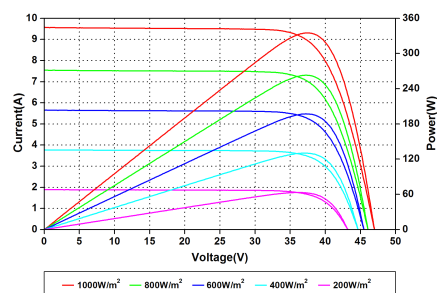
## PACKAGING

|                                   |                       |
|-----------------------------------|-----------------------|
| Standard packaging                | 26pcs/pallet          |
| Module quantity per 20' container | 260pcs                |
| Module quantity per 40' container | 572pcs(GP)/627pcs(HQ) |

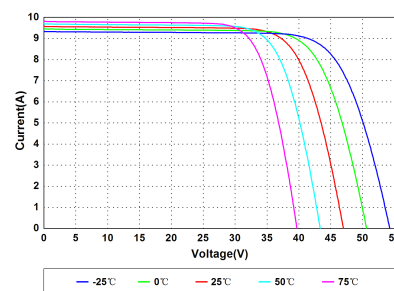
## ENGINEERING DRAWINGS



## 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.