



KSP-72

72 cell polycrystalline
High performance solar module

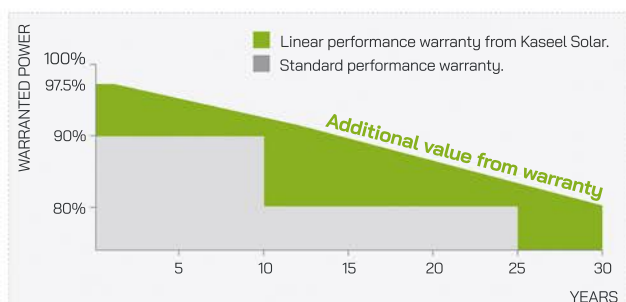
KEY FEATURES

- » **High module conversion efficiency** up to 17.52% by using high efficient solar cells and advanced manufacturing technology.
- » **Low-light Performance:** Advanced glass and surface texturing allow for excellent performance in low-light environments.
- » **5 Busbar Solar Cell:** 5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.
- » **Temperature Coefficient:** excellent performance under high temperature.
- » **Strong Mechanical load capacity:** Robust aluminum frame ensures the modules to withstand wind loads up to 3600Pa and snow loads up to 5400Pa.
- » **Durability against extreme environmental conditions:** High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- » **Potential induced degradation (PID) resistance.**
- » **Guaranteed positive power tolerance** of 0 ~ +3 % by individual measurement.
- » **High quality junction box:** IP67 Junction Box and connector have a high degree of waterproof, effectively resist the harsh environment.



SPECIAL WARRANTY

- » **High performance linear warranty:**
12 years 91.2% of the nominal power output.
30 years 80.6% of the nominal power output.
15 years limited product warranty.



ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (Pmax)	325W	330W	335W	340W	345W	350W
Open Circuit Voltage (VOC)	45.7V	45.9V	46.1V	46.3V	46.5V	46.7V
Short Circuit Current (ISC)	9.28A	9.36A	9.44A	9.52A	9.60A	9.68A
Voltage at Nominal Power (Vmp)	37.1V	37.3V	37.5V	37.7V	37.9V	38.1V
Current at Nominal Power (Imp)	8.77A	8.85A	8.94A	9.02A	9.11A	9.19A
Module Efficiency (%)	16.75	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	Type 1(in accordance with UL1703)/Class C(IEC61730)					
Maximum Series Fuse Rating	15A					

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

ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power (Pmax)	241W	244W	248W	252W	256W	259W
Open Circuit Voltage (VOC)	42.0V	42.2V	42.4V	42.6V	42.8V	43.0V
Short Circuit Current (ISC)	7.52A	7.58A	7.65A	7.71A	7.78A	7.84A
Voltage at Nominal Power (Vmp)	33.7V	33.9V	34.1V	34.3V	34.5V	34.7V
Current at Nominal Power (Imp)	7.16A	7.20A	7.28A	7.35A	7.42A	7.47A

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

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 5BB 156.75x156.75mm
Number of cells	72 (6x12)
Module dimensions	1956x992x40mm
Weight	21 kg
Front cover	3.2mm tempered glass with AR coating. Low Iron Glass
Frame	Clear anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm ² , 1100mm
Connector	MC4 or MC4 compatible

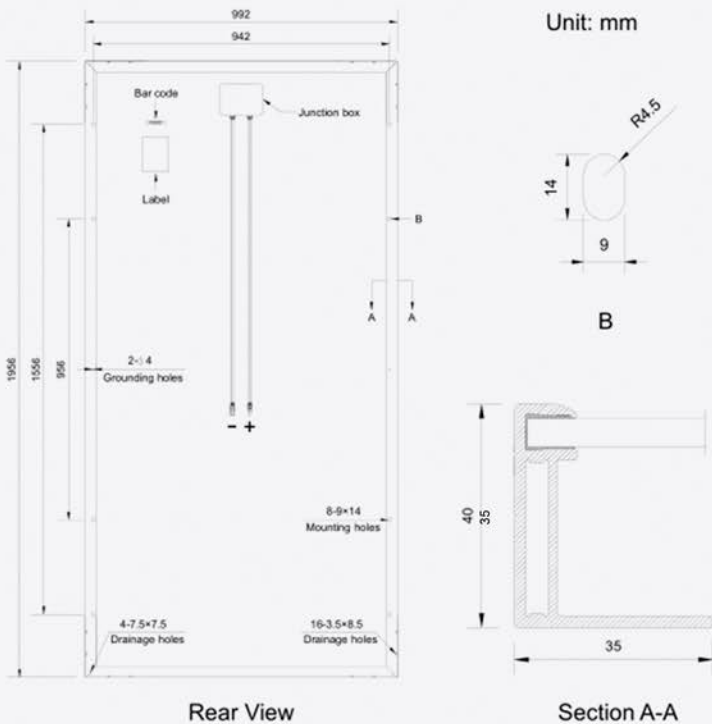
TEMP. CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of Pmax	-0.39%/°C
Temperature Coefficients of VOC	-0.30%/°C
Temperature Coefficients of ISC	0.05%/°C

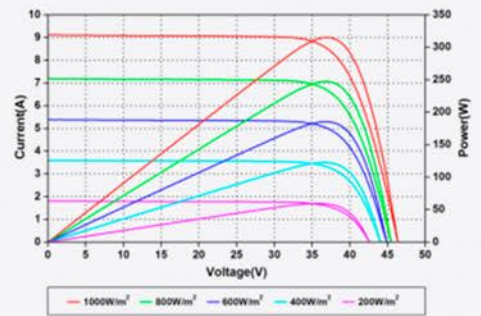
PACKAGING

Standard packaging	26pcs/pallet
Module quantity per 40' container	684pcs

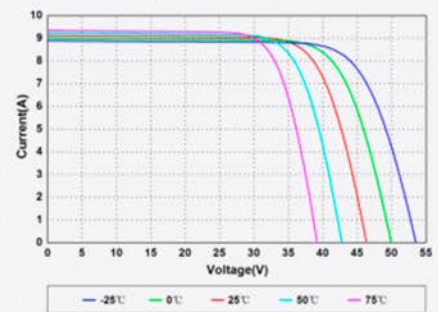
ENGINEERING DRAWINGS



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.