



KW-295~315P-72

Typical Electrical Characteristics



Solar cells:	Poly-Crystalline Silicon 156x156mm 72pcs.(6x12)-3bus bars				
Maximum Power (Pmax)	295Wp	300Wp	305Wp	310Wp	315Wp
Maximum Power Voltage (Vmp)	36.2V	36.6V	36.8V	37V	37.2V
Maximum Power Current (Imp)	8.15A	8.20A	8.30A	8.38A	8.48A
Open-circuit Voltage (Voc)	45.1V	45.3V	45.6V	45.9V	46.2V
Short-circuit Current (Isc)	8.76A	8.84A	8.91A	8.96A	9.01A
Module Efficiency STC (%)	15.2%	15.46%	15.72%	15.98%	16.23%
Operating Temperature(°C)	-40°C~+85°C				
Maximum system voltage	1000VDC (IEC)				
Maximum series fuse rating	15A				
Power tolerance	0~+3%				
Temperature coefficients of Pmax	-0.41%/°C				
Temperature coefficients of Voc	-0.31%/°C				
Temperature coefficients of Isc	0.06%/°C				
Nominal operating cell temperature (NOCT)	45±2°C				

*STC Conditions(1000W/m²; 1.5AM and 25°C Cell temperature)

Mechanical Characteristics

Cable type,Diameter and Length	Φ=4mm ² ,L=1000±5mm
Type of Connector	Compatible type Mc4
Dimension AxBxC	1956x992x40mm(77.01x39.06x1.57inch)
Weight	23.2kg(51.01lbs)
No.of Draining Holes In Frame	16
Construction	Glass:High Transmission, Low Iron, Tempered Glass 3.2mm Encapsuiation:EVA Back side:Tedlar,white
Junction Box	IP 67
Frame	Clear anodized aluminum alloy type 6063T5 frame;

Qualification Test Parameters

Dielectric Insulation Voltage	3000VDC max
Operating Temperature	-40°C to+85°C
Max load	5400 Pa
Hailstone impact	25mm(1inch)at 23m/s(52mph)

Packaging Configuration

Packaging Configuration	25pcs./pallet	25pcs./box
Quantity Pallet	10pallets	24pallets
Loading Capacity	250pcs./20'GP	600pcs./40'HQ

High Efficiency
Polycrystalline Solar Module

WARRANTY

Product:12 years
Power production:90% 10 years
Power production:80% 25 years

