



KW-300~320M-72

Typical Electrical Characteristics



Solar cells:	Mono-Crystalline Silicon 156x156mm 72pcs.(6x12)-3bus bars				
Maximum Power (Pmax)	300Wp	305Wp	310Wp	315Wp	320Wp
Maximum Power Voltage (Vmp)	37.0V	37.2V	37.4V	37.6V	37.8V
Maximum Power Current (Imp)	8.11A	8.20A	8.29A	8.38A	8.47A
Open-circuit Voltage (Voc)	45.5V	45.7V	45.9V	46.1V	46.4V
Short-circuit Current (Isc)	8.64A	8.72A	8.80A	8.87A	8.98A
Module Efficiency STC (%)	15.46%	15.72%	15.98%	16.23%	16.49%
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	-0.40%/°C				
Temperature coefficients of Voc	-0.29%/°C				
Temperature coefficients of Isc	0.05%/°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(51.0 lbs)
No.of Draining Holes In Frame	16
Construction	Glass:High Transmission, Low Iron, Tempered Glass 3.2mm Encapsulation:EVA Back side:Tedlar,white
Junction Box	IP 67
Frame	Clear anodized aluminum alloy type 6063T6 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./box	25pcs./box
Quantity Pallet	10pallets	24pallets
Loading Capacity	250pcs./20'GP	600pcs./40'HQ

High Efficiency
Monocrystalline Solar Module

WARRANTY

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

