



MORGAN RISHENG



ECSD-315/320/325P72

72PCS

Polycrystalline five screen double glass module

Electrical Paramete @ STC

Maximum power Pmp (W)	315	320	325
The power of tolerance	0~+3%	0~+3%	0~+3%
Operating voltage at the maximum power point Vmp (V)	36.7	36.7	36.9
Maximum power point operating current Imp (A)	8.58	8.72	8.81
Open-circuit voltage Voc (V)	45.5	45.5	45.7
Short-circuit current Isc (A)	9.17	9.32	9.36
The efficiency of the component (%)	16.1	16.4	16.6

*Standard test conditions (STC) : irradiance 1000W/m², battery temperature 25°C, Spectrum AM1.5

Electrical Paramete @ NOCT

Maximum power Pmp(W)	232.6	236.4	
Operating voltage at the maximum power point Vmp(V)	33.76	34.01	
Maximum power point operating current Imp(A)	6.89	6.95	
Open circuit voltage Voc(V)	42.01	42.15	
Short circuit current Isc(A)	7.42	7.48	

*The battery plate is labeled working temperature conditions(NOCT): irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Electrical Paramete @ NOCT

Maximum power Pmp(W)	232.6	236.4	240.1
Operating voltage at the maximum power point Vmp(V)	33.76	34.01	34.25
Maximum power point operating current Imp(A)	6.89	6.95	7.01
Open circuit voltage Voc(V)	42.01	42.15	42.31
Short circuit current Isc(A)	7.42	7.48	7.54

*The battery plate is labeled working temperature conditions(NOCT): irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Temperature Coefficient

Maximum power Pmp temperature coefficient	-0.40%/°C
Open circuit voltage Voc temperature coefficient	-0.31%/°C
Short circuit current LSC temperature coefficient	+0.055%/°C

Mechanical Parameter

Battery specification	Polycrystalline 156.75 × 156.75mm
Number of component and batteries	72PCS(6 × 12)
Component size	1968 × 992 × 25mm
Weight	27.5kg
Junction box	IP67, 3 diode
Cable	4.0mm ² , 225(+)/75(-)mm

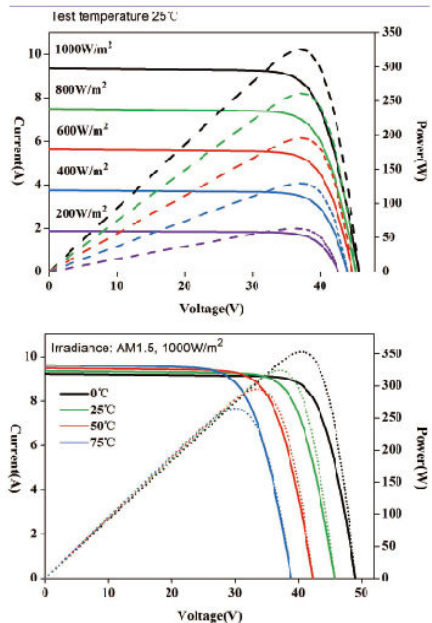
Operating Parameter

Maximum system voltage (V)	1500(DC)
Working temperature (°C)	-40~+85
Maximum wind load/maximum snow load (pa)	2400/5400
Maximum fuse rated current (A)	15
Application level	Class A
Fire rating	Class A
Rated battery operating temperature (°C)	45 ± 2

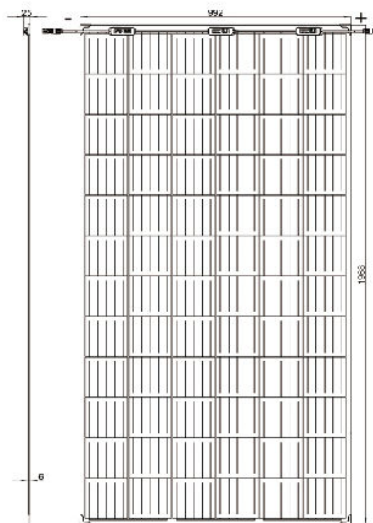
Packaging information

loading 9.0m/13m/17.5m	540 / 720 / 960PCS
The container 40'HQ	660PCS
Single tower number	30PCS

I-V curve/ ECS -325



Assembly drawing (Unit: mm)



Product Drawing

