



ECSD-275/280/285M60

60PCS
Monocrystal five screen double glass module

Electrical Paramete @ STC

Maximum power Pmp (W)	275	280	285
The power of tolerance	0~+3%	0~+3%	0~+3%
Operating voltage at the maximum power point Vmp (V)	31.3	31.5	31.8
Maximum power point operating current Imp (A)	8.79	8.89	8.97
Open-circuit voltage Voc (V)	38.3	38.5	38.8
Short-circuit current Isc (A)	9.25	9.37	9.46
The efficiency of the component (%)	16.7	17.0	17.3

*Standard test conditions (STC) : irradiance1000W/m², Battery temperature25°C, SpectrumAM1.5

Electrical Paramete @ NOCT

Maximum power Pmp(W)	203.5	207.1	210.9
Operating voltage at the maximum power point Vmp(V)	29.01	29.15	29.42
Maximum power point operating current Imp(A)	7.01	7.10	7.17
Open circuit voltage Voc(V)	35.45	35.64	35.90
Short circuit current Isc(A)	7.47	7.57	7.64

*The battery plate is labeled working temperature conditions(NOCT): irradiance800W/m²
Ambient temperature20°C, SpectrumAM1.5, Wind speed 1m/s

Temperature coefficient

Maximum power Pmp temperature coefficient	-0.39%/ °C
Open circuit voltage VOC temperature coefficient	-0.30%/ °C
Short circuit current LSC temperature coefficient	+0.050%/ °C

Mechanical Parameter

Battery specification	monocrystal 156.75 × 156.75mm
Number of component and batteries	60PCS(6 × 10)
Component size	1658 × 992 × 25mm
Weight	23kg
Junction box	IP67, 3 diode
Cable	4.0mm ² , 225(+)/75(-)mm

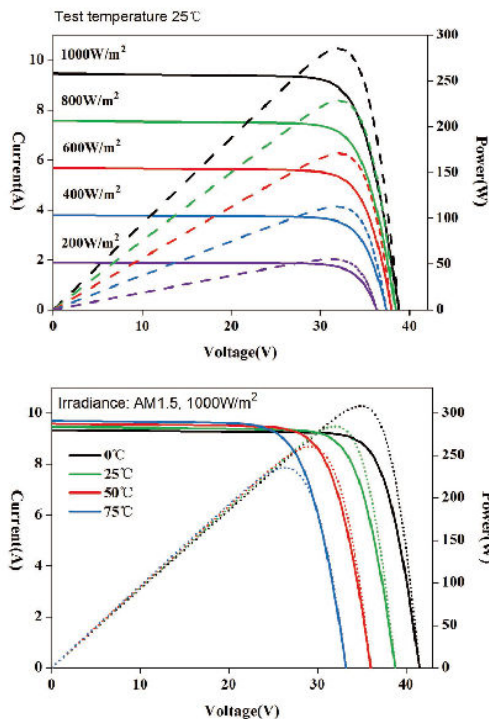
Operating Parameter

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

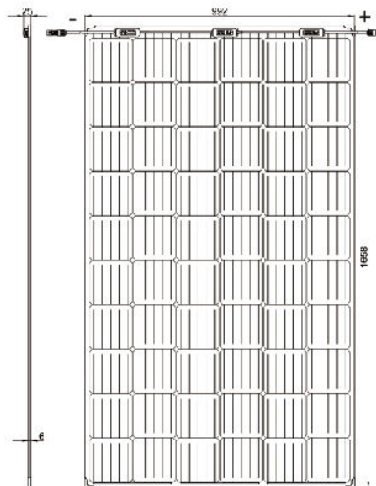
Packaging information

loading 9.8m/13m/17.5m	660 / 924 / 1188PCS
The container 40'HQ	858PCS
Single tower number	33PCS

I-V curve/ ECS -285



Assembly drawing (Unit: mm)



Product Drawing

