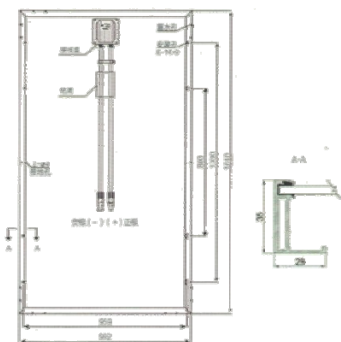


UD-270-2  
UD-275-2

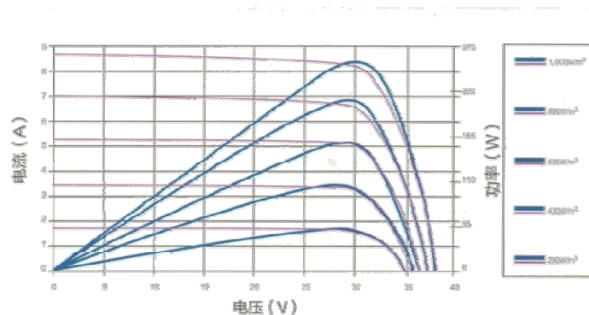


用智慧点亮星辰，雨丁光伏改变生活  
Use wisdom to light the stars, Uding soar to change life

PV module size specification



PV module IV graph



Electrical performance (standard test conditions)

Model	HRC1-3-270-2	HRC1-3-275-2
Peak power ( Pmax )	270	275
Power tolerance ( W )	0 ~+5	0 ~+5
Optimum working voltage ( Vmp )	30.97	31.07
Optimum operating current ( Amp )	8.72	8.85
Open circuit voltage ( Voc )	38.6	38.7
Short circuit current ( Isc )	9.17	9.29
Module efficiency ( % )	16.6	16.9

Structural information

Solar cell ( mm )	Polycrystalline 156*156
Number of cells	60 ( 6*10 )
Module dimension ( mm )	1640*992*35
Weight ( kg )	19.5
Glass thickness	3.2mm Tempered glass, high light transmittance, low carbon
Frame	Anodized high quality aluminum alloy frame
Junction Box	IP67 , 3 diodes
Cables	Section 4mm <sup>2</sup> , length 900mm
Connector	MC4 compatible connector

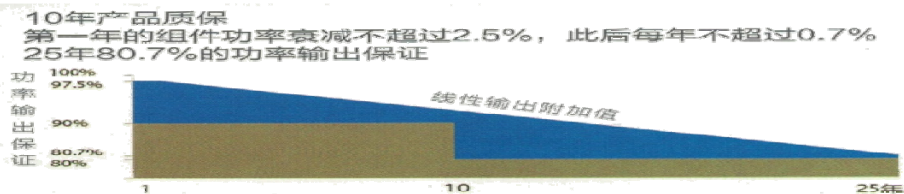
Temperature characteristics

Rated battery operating temperature ( °C )	45±2
Peak power temperature coefficient ( %/K )	-0.42
Open circuit voltage temperature coefficient ( %/K )	-0.29
Short circuit current temperature coefficient ( %/K )	0.04

Working conditions

Maximum system voltage ( VDC TUV )	1000
Working temperature ( °C )	-40~+85
Maximum rated series current ( A )	15
Mechanical load pressure measurement (snow pressure / wind pressure) ) Pa	5400/2400

Quality assurance



Packing info

HRP1-3-275-2	
Number of components per case	30 PCS (35mm) 20 PCS (35mm) 12 PCS (35mm)
HRP1-3-270-2	
Number of components per case	30 PCS (35mm)