

标准测试条件下的电性能参数 ELECTRICAL DATA | STC

标准测试条件下的电性能参数 Electrical Data	FY265-20/Wd	FY270-20/Wd	FY275-20/Wd
峰值功率 Maximum Power at STC(Pmax)	265W	270W	275W
峰值功率电压 Optimum Operating Voltage(Vmp)	31.7V	32.2V	32.8V
峰值功率电流 Optimum Operating Current(Imp)	8.36A	8.39A	8.39A
开路电压 Open Circuit Voltage(Voc)	38.8V	39.4V	40.0V
短路电流 Short Circuit Current(Isc)	8.88A	8.90A	8.91A
组件效率 Module Efficiency	16.3%	16.6%	16.9%
组件工作温度 Operating Module Temperature	-40°C to +85°C		
最大系统电压 Maximum System Voltage	1000 V DC(IEC)		
最大保险丝额定值 Maximum Series Fuse Raing	20A		
组件功率公差 Power Tolerance	0/+5%		

STC: 辐照度1000W/m², 组件温度25°C, 大气质量AM1.5, 根据(IEC 60904-9), 功率测试误差范围±3%
STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/-3%

Noct	FY265-20/Wd	FY270-20/Wd	FY275-20/Wd
峰值功率 Maximum Power at STC(Pmax)	195W	198W	202W
峰值功率电压 Optimum Operating Voltage(Vmp)	28.4V	28.6V	29.0V
峰值功率电流 Optimum Operating Current(Imp)	6.86A	6.96A	7.02A
开路电压 Open Circuit Voltage(Voc)	35.1V	35.3V	35.5V
短路电流 Short Circuit Current(Isc)	7.28A	7.36A	7.42A

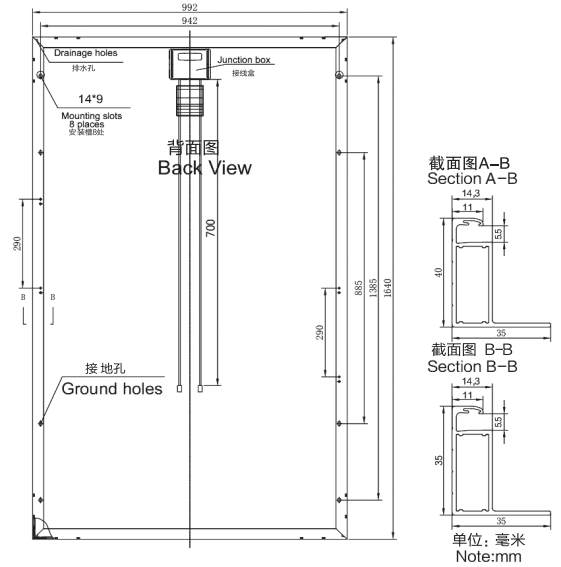
NOCT: Irradiance 800 W/m², ambient temperature 20°C, AM=1.5, wind speed 1 m/s;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

温度特征 Temperature Characteristics	
NOCT标准下的电池片温度 Nominal Operating Cell Temperature (NOCT)	45 ± 2°C
峰值功率的温度系数 Temperature Coefficient of Pmax	-0.43%/°C
开路电压的温度系数 Temperature Coefficient of Voc	-0.33%/°C
短路电流的温度系数 Temperature Coefficient of Isc	0.067%/°C

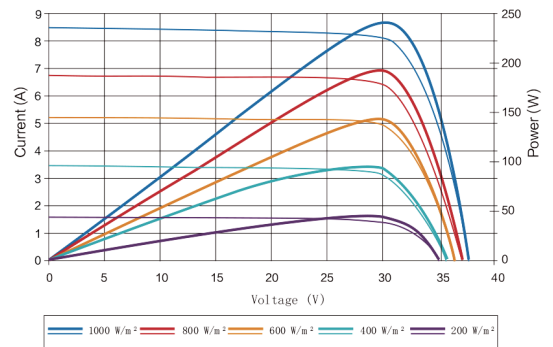
结构材料 Mechanical Characteristics	
太阳能电池片 Solar Cell	多晶156.75 x 156.75mm Polycrystalline silicon 156.75 x 156.75mm
电池片数量 No. of Cells	60 (6 x 10)
组件尺寸 Dimensions	1640 x 992 x 40mm / 1640 x 992 x 35mm
组件重量 Weight	19.0kg / 18.2kg
玻璃 Front Glass	低铁钢化玻璃3.2mm 3.2mm tempered glass
边框 Frame	阳极氧化铝合金 Anodized aluminium alloy
接线盒 (防护等级) Junction Box	IP67 rated (3 bypass diodes)
线缆 (标准/横截面积/长度) Output Cables	TUV(2 PFG 1169/08.07) 4.0mm ² , symmetrical lengths(-) 700mm and (+)700mm
接插件 Connectors	通灵/JINGKE TL connectors

包装信息 Packing Configuration	20' GP	40' HC
每托盘的数量 (片) Pieces per pallet	30/27	30/27
每集装箱的托盘数量 (片) Pallets per container	12/12	28/28
每货柜的数量 (片) Pieces per container	360/324	840/756

组件结构图 MODULE | ENGINEERING DRAWING



电流-电压 & 功率-电压曲线图(265-20) Current-Voltage & Power-Voltage Curve (265-20)



Excellent performance under weak light conditions: at an irradiation intensity of 200²W/m² (AM 1.5, 25 °C), 95.5% or higher of the STC efficiency (1000 W/m²) is achieved

信息栏 Information bar



产品规格改变时不另行通知