

Technical Data/ 技术参数

Electrical Characteristics/ 电性能参数

Module/ 型号规格	TOP230(20) 1650/990P	TOP235(20) 1650/990P	TOP240(20) 1650/990P
Maximum Power/峰值功率 (Pmax)	230W	235W	240W
Power Tolerance/最大公差	±3%	±3%	±3%
Maximum Power Voltage /工作电压(Vmp)	30.3V	30.6V	30.7V
Maximum Power Current/工作电流 (Imp)	7.60A	7.70A	7.80A
Open circuit Voltage/开路电压 (Voc)	37.0V	37.1V	37.3V
Short circuit Current /短路电流表 (Isc)	8.30A	8.40A	8.60A
Maximum System Voltage/最大系统电压	1000V DC	1000V DC	1000V DC

*STC:Irradiance 1000W/m², module temperature 25°C, AM=1.5

Mechanical Characteristics/ 机械性能参数

Cell Type/电池片种类	Poly Crystalline Cell/多晶 156*156mm		
Cell Shape/形状	rectangular/正方形		
No. of Cell/电池片数量	60(6*10)pcs.		
Maximum Wind Resistance	60m/s	N/m ² or max Km/h	
Dimensions/外形尺寸	Length/长	1650	mm
	Width/宽	990	mm
	Depth/高	50	mm
Installation Dimensions/安装孔距	Length/长	1300/800	mm
	Width/宽	940	mm
Dia/直径	Ø9*14		mm
Weight/重量	19.7	KG	
Other Material/其它材料	Low iron tempered glass with thickness of 3.2mm, TPT Multi-Laminated Film, EVA Adhesive Film, Anodized Aluminium Frame 低铁超白钢化玻璃、TPT背板、EVA胶膜、铝合金边框		

Temperature Characteristics/ 温度系数

Operating Temperature/组件工作温度范围	-40°C ~ +90°C	°C
Storage Temperature/组件存储温度范围	-40°C ~ +90°C	°C
Temp. coefficient Voc/开路电压温度系数	-0.35±0.02	%/°C
Temp. coefficient Isc/短路电流温度系数	+0.04±0.0015	%/°C
Temp. coefficient Power/功率温度系数	-0.5±0.05	%/°C
Nominal operating cell temperature 电池片额定工作温度(NOCT)	47°C±2°C	°C

