

标准测试条件下的电性能参数 (STC) Electrical parameters (STC)

产品型号 Module type	AST170TC-48-S
产品尺寸 (长*宽*厚) Size (Length * Width * Thickness)	1450mm*802.2mm*13.5mm
重量 Weight	40.20kg
峰值功率 (P_{max}) Power output (P_{max})	170W \pm 3%
功率分档 Power tolerance	0 +5W
组件效率 (η_m) Module efficiency (η_m)	14.61%
峰值功率电压 (V_{mpp}) Voltage at Pmax (V_{mpp})	27.60V
峰值功率电流 (I_{mpp}) Current at Pmax (I_{mpp})	6.16A
开路电压 (V_{OC}) Open-circuit voltage (V_{OC})	32.57V(\pm 3%)
短路电流 (I_{SC}) Short-circuit current (I_{SC})	6.58A(\pm 3%)
最大系统电压 Maximum system voltage	1500V
最大过载保护电流 Open-Maximum series fuse rating	30A
防火等级 Fire resistance class	ClassA
连接器 Connector	18-01 Baoding Yitong PV Science &Technology Co., Ltd.

温度系数

Temperature coefficients

开路电压的温度系数 V_{OC}
Temperature coefficients of V_{OC} -0.25%/°C

短路电流的温度系数 I_{SC}
Temperature coefficients of I_{SC} +0.055%/°C

峰值功率的温度系数 P_{max}
Temperature coefficients of P_{max} -0.32%/°C

有限功率质保

Limited Power Warranty

第一年功率衰减
1st year degradation ≤1%

第30年功率衰减
30th year degradation ≤12%

线性功率质保
Linear power warranty 30 years

线性产品质保
Linear Product warranty 15 years

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STC: 辐照度1000W/ m² , 电池温度25°C , 大气质量AM1.5。

STC: 1000W/m² irradiance, 25°C cell temperature, AM = 1.5.

(Made in China)