

## 230W solar modules and parameters of raw materials inventory

ITEM/SERIES NO.#	CNH230-60P
MONO or POLY	POLY
Maximum power (Wp) 最大功率	230Wp
Maximum power voltage (V) 最大电压	29.59
Maximum power current (A) 最大电流	7.79
Open circuit voltage (V) 开路电压	37.63
Short circuit current (A) 短路电流	8.38
Cell Noct <45.5%	45%
Size of module (mm) 尺寸	1640*990*40
Brand Name of Solar Cells 品牌名称	润峰
Temperature coefficients of Isc (%) 短路电流的温度系数	0.035-0.050%/ °C
Temperature coefficients of Voc (%) 开路电压的温度系数	-0.30-0.40%/ °C
Temperature coefficients of Pm (%) 最大功率的温度系数	-0.45%
Temperature coefficients of Im (%) 最佳工作电流的温度系数	0.06%
Temperature coefficients of Vm (%) 最佳工作电压的温度系数	-0.35%
Temperature Range 温度范围	-40°C ~ +80°C
Tolerance Wattage (e.g. +/-3%) 误差瓦数	+/-3%
Surface Maximum Load Capacity 表面最大承压能力	60m/s(200kg/sq.m)
Allowable Hail Load 抗冰雹能力	steel ball fall down from 1m height
Weight per piece (kg) 单片重量	18.8KG
Junction Box Type 接线盒类型	苏州瀚德 PV-A24301
Connectors and Cables Type 连接器和电缆类型	苏州瀚德 HDC-1 PV1-F
Length of Cables (mm) 电缆长度	90mm
Cell Efficiency (%) 电池片效率	> 17%
Module Efficiency (%) 组件效率	> 14%
Output tolerance (%) 输出误差	±3%
Frame (Material, Corners, etc.) 框架 (材料, 角度)	凯伦//大洋铝业
Standard Test Conditions 标准测试条件	AM1.5 100mW/cm2 25°C
Warranty 质保	5years product warranty and 20years 80% of
FF (%) 转换效率	≥ 72%
Life 使用寿命	25years
Delivery time 交货时间	The deposit to 15 days shipments