

SDHYPER

"Make Difference, Make Better."

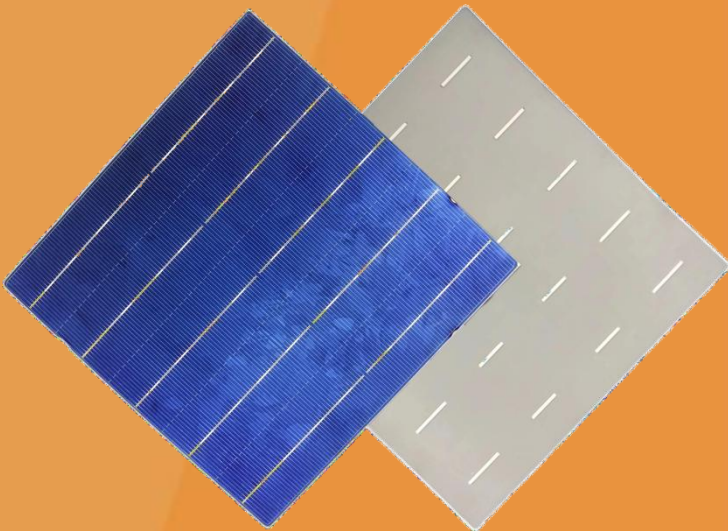
POLY

Sunday Energy Poly Cell

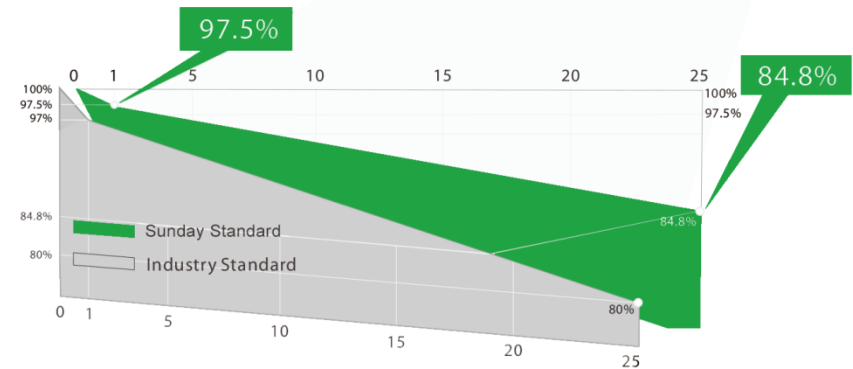
Assembled with the advanced 5busbar cell technology offer advantages of "higher power output, reduced series resistance loss and lower risk of "hotspot. In order to meet the customers requirements of "best quality and efficiency.

157

POLYCRYSTALLINE SOLAR CELL



LINEAR PERFORMANCE WARRANTY



- ◆ Ultra-Efficient solar cells
- ◆ Low pressure diffusion with good uniformity Silver
- ◆ Front contact bars
- ◆ Silicon nitride anti-reflection coating
- ◆ ISO9001:2015 QMS ISO14001:2015 EMS
- ◆ IEC61215&IEC61730 standard quality
- ◆ Stable performance under weak light conditions
- ◆ 25-year power warranty 12-year product warranty



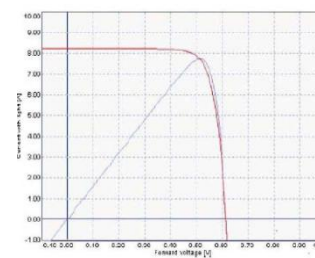
ELECTRICAL PERFORMANCE

Nominal efficiency	157 5BB-19.5	157 5BB-19.4	157 5BB-19.3	157 5BB-19.2	157 5BB-19.1	157 5BB-19.0	157 5BB-18.9	157 5BB-18.8
Efficiency range	>19.65%	19.55-19.65%	19.45-19.55%	19.35-19.45%	19.25-19.35%	19.15-19.25%	19.05-19.15%	18.95-19.05%
Working power (W)	4.79	4.77	4.74	4.72	4.69	4.67	4.64	4.62
Nominal efficiency	157 5BB-18.7	157 5BB-18.6	1575BB-18.5	157 5BB-18.4	157 5BB-18.3	157 5BB-18.1	157 5BB-18.1	157 5BB-18.1
Efficiency range	18.85-18.95%	18.75-18.85%	18.65-18.75%	18.55-18.65%	18.45-18.55%	18.35-18.45%	18.25-18.35%	18.15-18.25%
Working power (W)	4.59	4.57	4.79	4.55	4.52	4.45	4.45	4.45

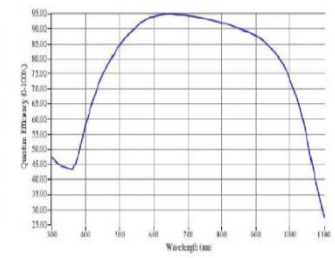
Standard Test Conditions: 1000W/M2, AM1.5,25 ° C

Mechanical Data	
Dimensions	157mm × 157mm ± 0.3mm
Cell thickness	200um ± 20um
Front design	5*0.6mm bus bars (silver) 104 lines
Back design	1.7mm wide and 19.5mm long soldering pads (silver) , Aluminum back-surface field
TkPower	-0.425%/K
TkVoltage	-0.3387%/K
TkCurrent	+0.0568%/K

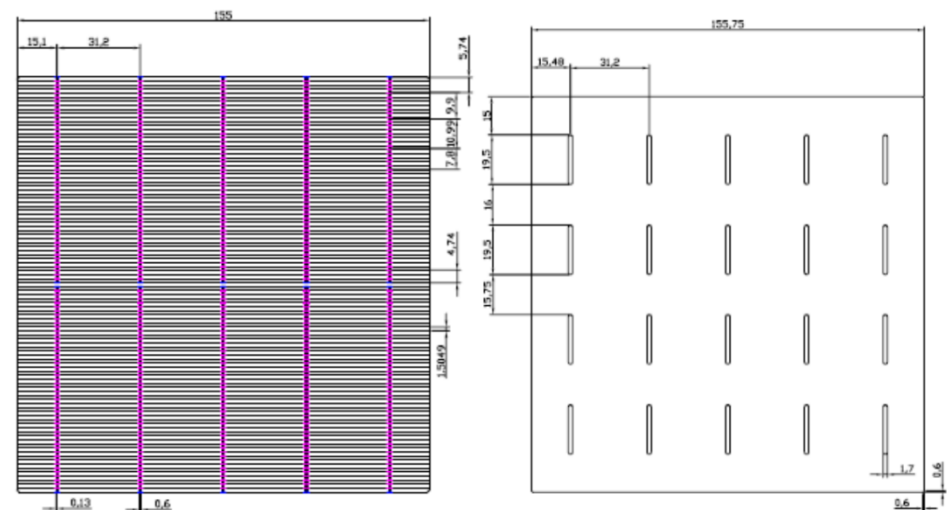
IV curve



PV response curve



Product Appearance



Light induced degradation test

Using Xenon lamp (Irradiance of 1000W/m2,with spectrum AM 1.5) to irradiate test cells, after a total irradiation of 5kwh/m2 , the degradation of maximum output power of cells is ≤1.5%.

CTM

Lower cell to module(CTM) power loss: ≤1%.

Anti-PID

Potential Induced Degradation(-1500V,192h):≤3%.



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Note:Due to continuous technical innovation,R&D and creation, technical data above menioned may be of modification timely, Sunday Energy has the own right to make such modification at anytime without furture notice.