

# sunpower-125-165

## monocrystalline Silicon Solar Cell

### PHYSICAL

Dimension 125mm X125mm  $\pm$  0.25mm

### CHARACTERISTICS

Wafer Thickness 200 $\mu$ m  $\pm$  20 $\mu$ m

Front(-) Blue silicon nitride anti-reflection coatings, none busbar

Back(+) Full-surface aluminum back-surface field, none busbar

### TYPICAL ELECTRICAL CHARACTERISTICS

Efficiency Code	1950	2040	2240	2260	2370	2480
Efficiency(%)	19.50	20.40	22.40	22.60	23.70	24.80
Pmax(W)	3.000	3.125	3.440	3.460	3.630	3.800
Vmp(V)	0.550	0.550	0.550	0.550	0.550	0.550
Imp(A)	5.455	5.682	6.255	6.291	6.600	6.909
Voc(V)	0.649	0.649	0.649	0.649	0.649	0.649
Isc(A)	6.000	6.250	6.880	6.920	7.260	7.600

Data under standard testing conditions(STC): 1,000W/m<sup>2</sup>, AM1.5, 25°C, eff. tolerance : average + 0.3%/-0.1% absolute.

### TYPICAL TEMPERATURE COEFFICIENTS

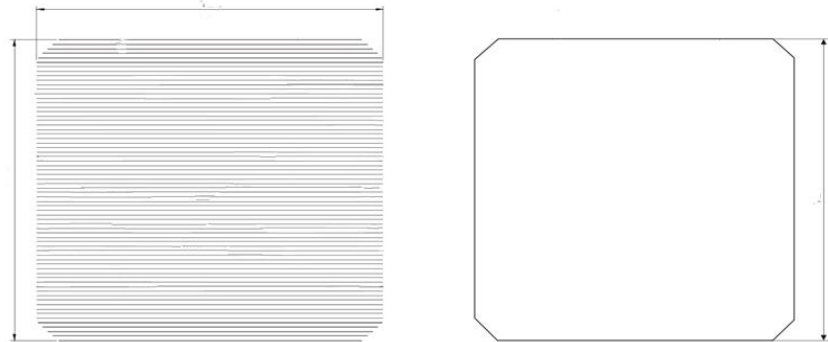
Voltage - 0.3324 %/K

Current + 0.046 %/K

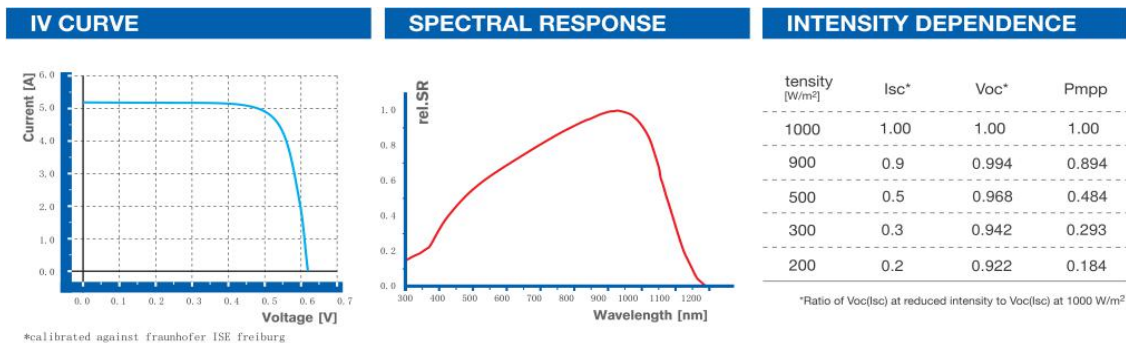
Power - 0.42%/K

### CONDUCTOR PATTERNS

Sunpower-125-165



### TYPICAL I-V CURVE



### PACKAGE

Typical package for 1 pallet contains 24 cartons, 1 carton contains 1,500cells. The cells are sealed in cell box every 150pcs Gross weight per unit carton shall be around 16kgs



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