

5. Cell Characteristics: Electrical

Cells are graded at Peak power with 50 mW bands, the typical grading criteria bin is given below,

5.1 Wattage Table






Wattage		LABEL wattage	Efficiency %	Typical Parameters		
Fro m	To			VOC	ISC	VMP
4.00	< 4.05	4.00	16.74	0.608	8.22	0.518
3.95	< 4.00	3.95	16.53	0.606	8.17	0.512
3.90	< 3.95	3.90	16.32	0.603	8.13	0.509
3.85	< 3.90	3.85	16.11	0.601	8.09	0.507
3.80	< 3.85	3.80	15.90	0.600	8.04	0.505
3.75	< 3.80	3.75	15.69	0.599	8.02	0.502
3.70	< 3.75	3.70	15.48	0.596	8.00	0.499
3.65	< 3.70	3.65	15.28	0.594	7.81	0.496
3.60	< 3.65	3.60	15.07	0.592	7.59	0.493

Note: Parameters specified, are at standard test condition STC, 25°C Ambient, 100 mW/cm² irradiance.

- 5.2 Shunt Resistance : Greater than 4 ohms at -12V
 - I. Method of measurement : Dark IV
- 5.3 Polarity : Front negative, back positive
- 5.4 Temperature Coefficient
 - A. Open circuit Voltage (dV_{oc}/dt) : -2.271 mV/K (- 0.379% of Voc/ K)
 - B. Short circuit current (dI_{sc}/dt) : -3.238 mA/K (+0.0396% of Isc/K)
 - C. Fill factor (dV_{FF}/dt) : -0.121 %/K
 - D. Peak Power : -0.48456% / deg K



6. Packing

 <p>Figure. A</p>	 <p>Figure.B</p>	
 <p>Figure.C</p>	 <p>Figure.D</p>	
<p>Figure. A : 100 Cells Bunch Figure. B : 400 Cells in one Small Box Figure. C : Cells in one Wooden Box Figure. D : Transit monitoring (Shock watch)</p>		

7. Cell Drawing

