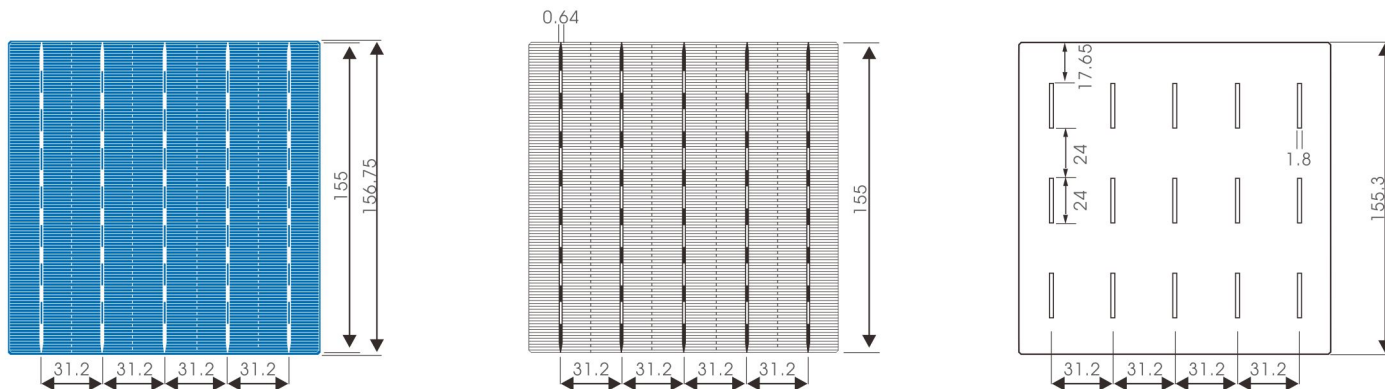


LINUO POWER SOLAR CELLS

Shandong Linuo Photovoltaic Hi-tech Co., Ltd.
Add: No. 30766 East Jingshi Road, Jinan 250103, China.
Tel: +86-531-88729696 / 88729106 / 88729770
E-mail: pv@linuo.com
Web: www.linuopower.com

P75-01 5 Busbar Poly Cell



Why Linuo Cells?

- The most advanced equipment
- International quality assurance system
- Stable raw material supply chain
- Superior manufacturing technology
- 100% raw wafer inspection
- Low breakage rate
- Instant switching between production lines

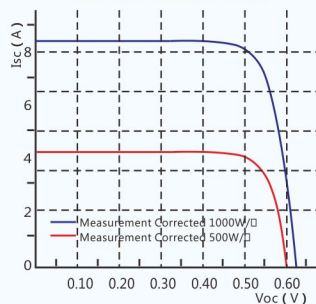
Temperature Coefficient

Temperature coefficient of I_{sc} (α): 0.06%/K
Temperature coefficient of V_{oc} (β): -0.33%/K
Temperature coefficient of P_{mpp} (γ): -0.41%/K

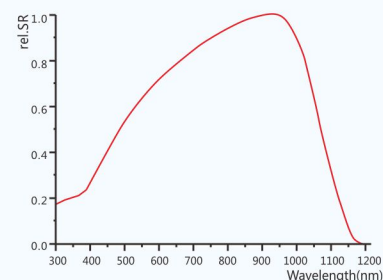
Mechanical Parameters

Type: P75-01
Format: 156.75mm×156.75mm±0.25mm
Diagonal: 220.3mm±0.5mm
Thickness: 200±20 μ m
Front(-): blue anti-reflecting coating(silicon nitride);
0.64mm bus bars(silver);
Back(+): surface field(Aluminum);
1.8mm wide soldering pads;

IV Curve



Spectral Response



Intensity Dependence

Intensity (w/m^2)	I_{sc} (mA)	V_{oc} (mV)
1000	1.0	1.000
900	0.9	0.995
500	0.5	0.966
300	0.3	0.940
200	0.2	0.919

Ratio of V_{oc} at reduced intensity to V_{oc} (I_{sc}) at 1000W/m²

Electrical Data@STC

Efficiency [%]	18.8	18.7	18.6	18.5	18.4	18.3	18.2	18.0	17.8	17.6	17.4
P_{mpp} [W]	4.58	4.55	4.53	4.50	4.48	4.45	4.43	4.38	4.33	4.28	4.23
U_{mpp} [V]	0.542	0.540	0.538	0.536	0.534	0.532	0.532	0.530	0.525	0.520	0.516
I_{mpp} [A]	8.44	8.42	8.40	8.39	8.37	8.35	8.33	8.30	8.25	8.24	8.20
V_{oc} [V]	0.636	0.635	0.634	0.633	0.632	0.631	0.630	0.630	0.627	0.625	0.623
I_{sc} [A]	8.99	8.98	8.97	8.96	8.94	8.92	8.89	8.84	8.81	8.78	8.76
FF [%]	80.0	79.8	79.6	79.4	79.3	79.2	79.1	78.8	78.5	78.2	77.6

To create value to customers