



VIETNAM SUNERGY CELL

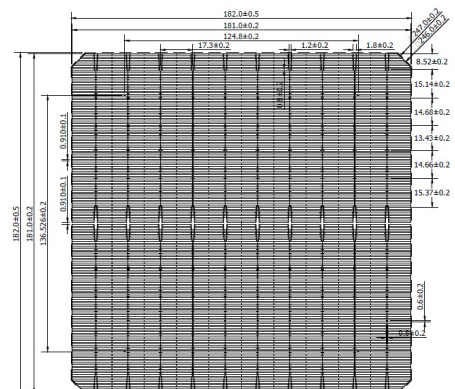
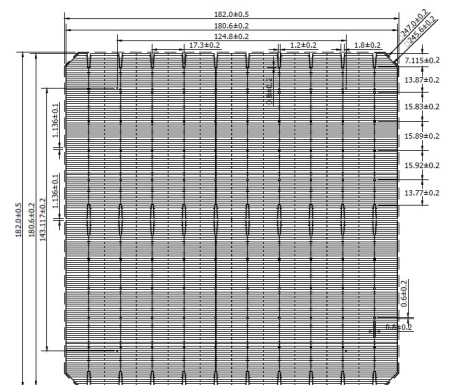
VTS-N-P- M10B10F160

TOPCon Solar Cell

Cell Appearance

Dimension:	182mmx182mm±0.5mm
Cell Thickness:	130µm±15µm
Front side:	1.2mm wide bus bars, Passivated Emitter(AlOx & Silicon nitride anti-reflection coating)
Back side:	1.2mm wide bus bars, Tunnel Oxide, Silicon nitride anti-reflection coating

Cell Layout



Product Features

- Strict incoming and outgoing inspection
- Higher efficiency and bifaciality
- Lower temperature coefficient and degradation
- Lower hot spot effect and power loss during encapsulation
- LETID/LID free impurities, and better anti-PID performance

Quality control

- Strict incoming and outgoing inspection
- Fully intelligent quality control, real-time monitoring of all equipment and processes
- 100% of the cells have passed the automated appearance inspection and electrical test

Temperature Coefficients

TkVoltage: -0.30%/K	TkPower: -0.32%/K
TkCurrent: 0.04%/K	Rsh ≥ 50Ω, Irev2 ≤ 1.0A

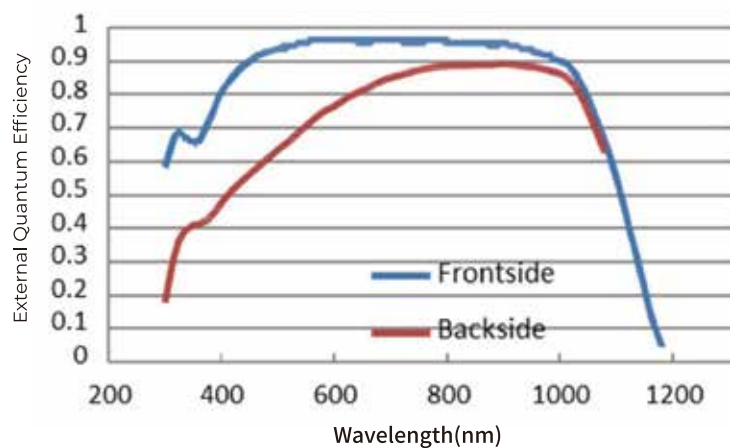
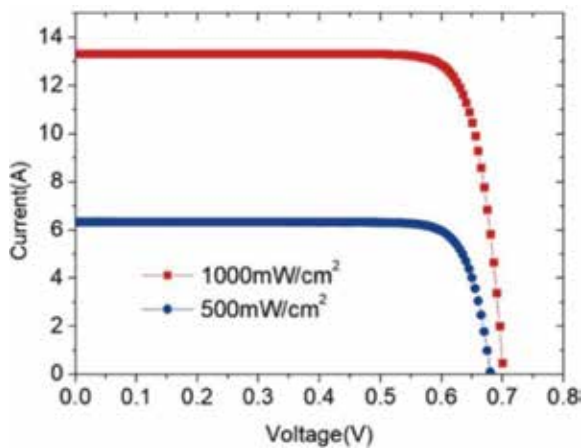
Electrical Characteristics

Eff (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
25.0	8.25	0.638	12.981	0.717	13.643	84.69
24.9	8.22	0.634	12.961	0.715	13.647	84.22
24.8	8.19	0.633	13.953	0.714	13.632	84.12
24.7	8.15	0.630	12.939	0.712	13.615	84.05
24.6	8.12	0.629	12.907	0.711	13.598	83.98
24.5	8.09	0.628	12.892	0.710	13.587	83.89
24.4	8.06	0.627	12.870	0.709	13.573	83.75
24.3	8.02	0.625	12.839	0.707	13.558	83.71
24.2	7.99	0.623	12.818	0.707	13.531	83.62
24.1	7.96	0.623	12.787	0.706	13.508	82.51
24.0	7.92	0.621	12.759	0.705	13.481	82.40
23.9	7.89	0.620	12.726	0.704	13.450	83.31

Under standard test condition: 1000W/ m2 , AM 1.5 , 25°C

Illustration: 24.10% → Actual range: 24.10%~24.20%

Electrical curves



Specification and data are for reference only and may change without prior notice

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