



VIETNAM SUNERGY CELL

VTS-N-P- M10B16F160

TOPCon Solar Cell

Cell Appearance

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

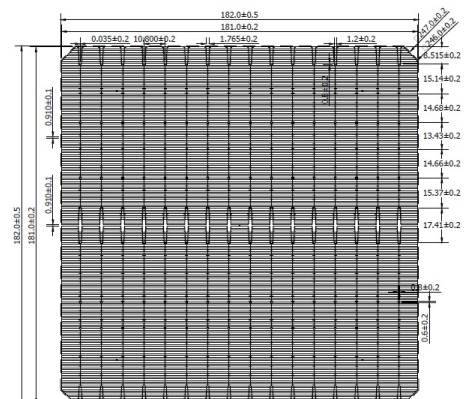
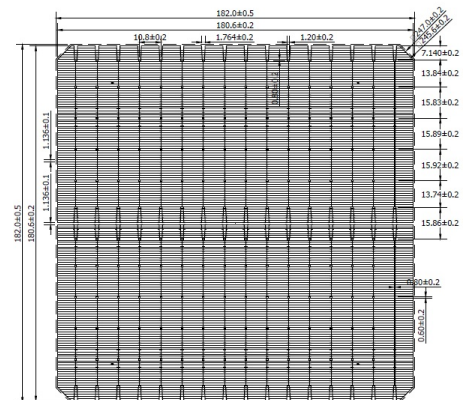
Product Features

- 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

Cell Layout



Temperature Coefficients

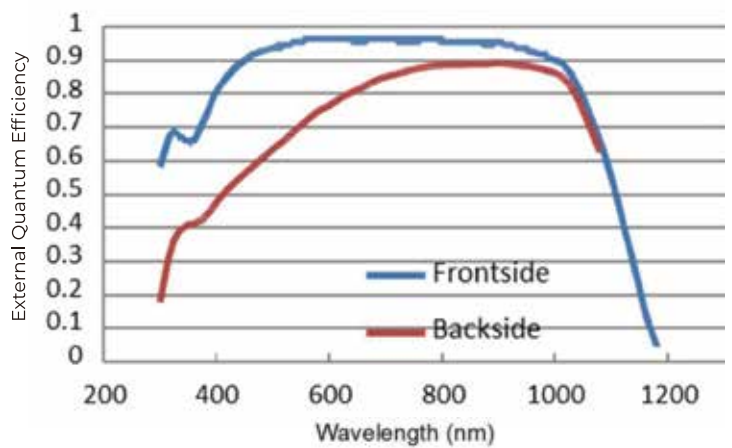
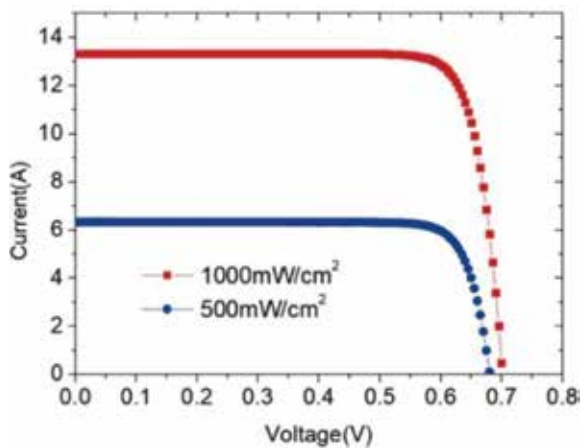
TkVoltage: -0.30%/K	TkPower: -0.32%/K
TkCurrent: 0.04%/K	Rsh ≥ 50Ω, Irev2 ≤ 1.0A

Electrical Characteristics

Eff (%)	Pmpp (W)	Umpp (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
25.0	8.25	0.634	13.032	0.717	13.666	84.27
24.9	8.22	0.632	13.026	0.716	13.665	84.11
24.8	8.19	0.630	13.016	0.715	13.651	83.97
24.7	8.15	0.628	12.995	0.713	13.638	83.91
24.6	8.12	0.626	12.984	0.711	13.638	83.70
24.5	8.09	0.624	12.974	0.710	13.630	83.64
24.4	8.06	0.622	12.952	0.710	13.618	83.44
24.3	8.02	0.621	12.923	0.709	13.605	83.25
24.2	7.99	0.620	12.893	0.708	13.591	83.02
24.1	7.96	0.618	12.881	0.708	13.580	82.89
24.0	7.92	0.616	12.865	0.707	13.566	82.60
23.9	7.89	0.615	12.832	0.706	13.551	82.44

- 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

All information in the document belongs to VSUN Cell, any disclosure is forbidden without written permission