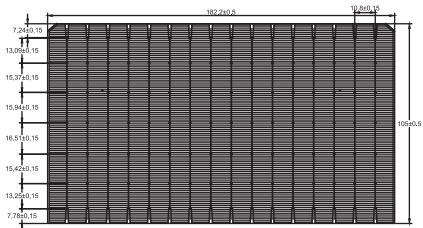
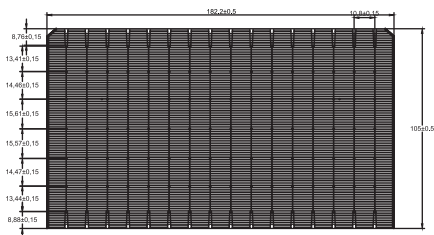


N-type TOPCon Solar cell

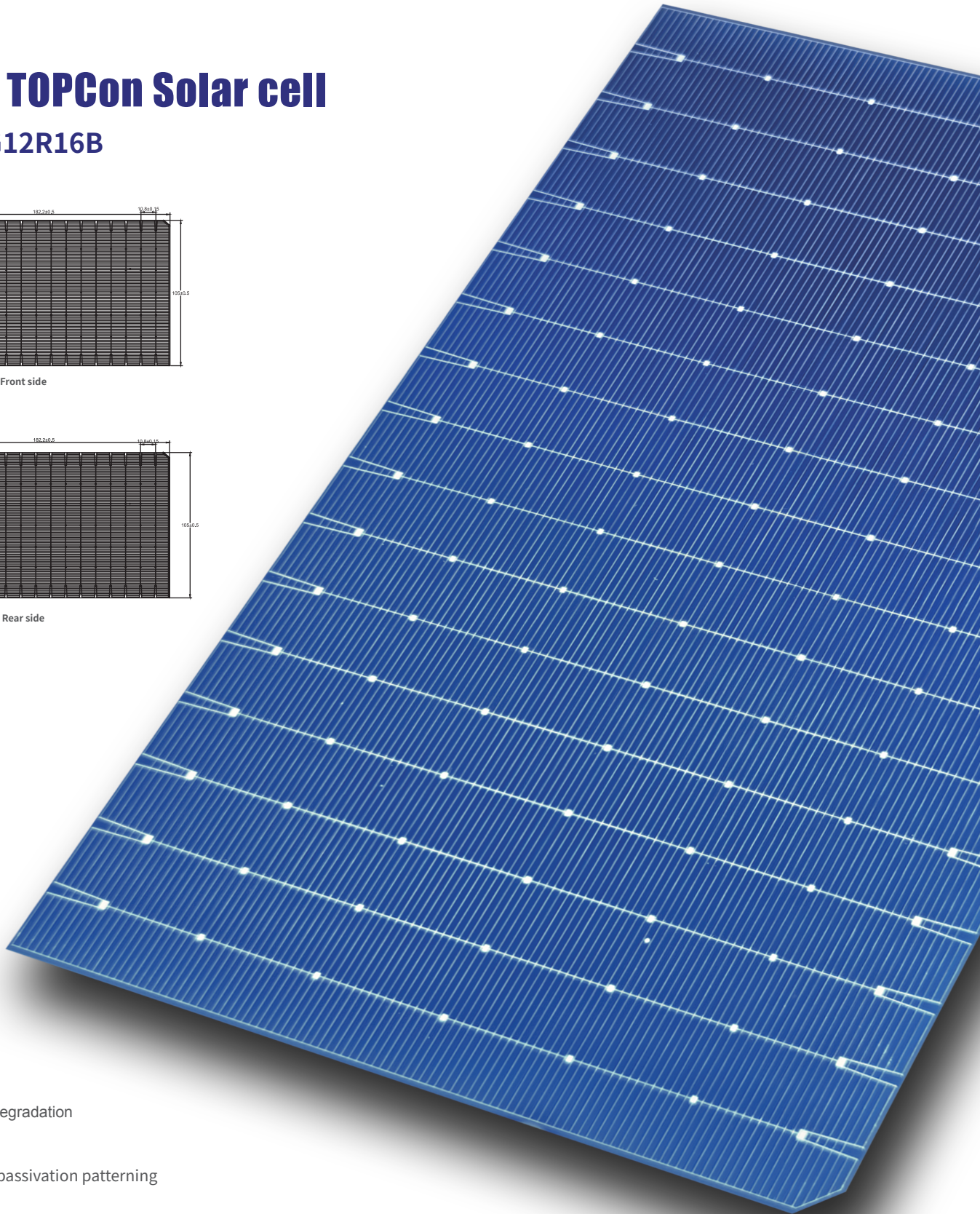
TCHC-NG12R16B



Front side



Rear side



No photodegradation



Backside passivation patterning



Higher efficiency with high reliability



Cell to Module with high matching rate



Excellent power generation performance under low irradiation



Bifacial benefits



Full passivation of the cutting surface



Better fine grid morphology

Product Features

Product Model:	TCHC-NG12R16B
Dimension:	182.2mm×105mm±0.5mm
Cell Thickness:	130mm±10%
Front side:	0.03±0.015mm wide bus bars, Silicon nitride, aluminum oxide
Back side:	0.03±0.015mm wide bus bars, Silicon nitride

Electric Performance

Eta	Pmpp(W)	Vmpp(V)	Ipp(A)	Uoc(V)	Isc(A)	FF(%)
26.0	4.97	0.6349	7.8284	0.7291	8.1707	83.43
25.9	4.95	0.6336	7.8157	0.7278	8.1616	83.34
25.8	4.93	0.6315	7.8081	0.7267	8.1551	83.21
25.7	4.91	0.6304	7.7921	0.7257	8.1426	83.13
25.6	4.90	0.6287	7.7861	0.7244	8.1396	83.02
25.5	4.88	0.6269	7.7766	0.7235	8.1316	82.86
25.4	4.86	0.6252	7.7657	0.7228	8.1285	82.66
25.3	4.84	0.6238	7.7536	0.7214	8.1242	82.51
25.2	4.82	0.6220	7.7433	0.7204	8.1168	82.37
25.1	4.80	0.6204	7.7312	0.7188	8.1134	82.26
25.0	4.78	0.6188	7.7248	0.7173	8.1096	82.20
24.9	4.76	0.6171	7.7142	0.7160	8.1008	82.07
24.8	4.74	0.6154	7.7026	0.7149	8.0947	81.91
24.7	4.72	0.6135	7.6943	0.7132	8.0912	81.82
24.6	4.70	0.6122	7.6809	0.7121	8.0858	81.66
24.5	4.69	0.6103	7.6767	0.7105	8.0813	81.55
24.4	4.67	0.6082	7.6702	0.7086	8.0794	81.47
24.3	4.65	0.6061	7.6641	0.7081	8.0667	81.35
24.2	4.63	0.6046	7.6508	0.7067	8.0616	81.22

- Under standard test condition: 1000W/ m², AM 1.5G, 25°C
- Illustration: 25.0%
- Specifications and data are provided for reference only

Temperature Coefficients

Current Temperature Coefficient	Tkcurrent: +0.045%/K
Voltage Temperature Coefficient	Tkvoltage: -0.25 %/K
Power Temperature Coefficient	Tkpower: -0.29%/K

