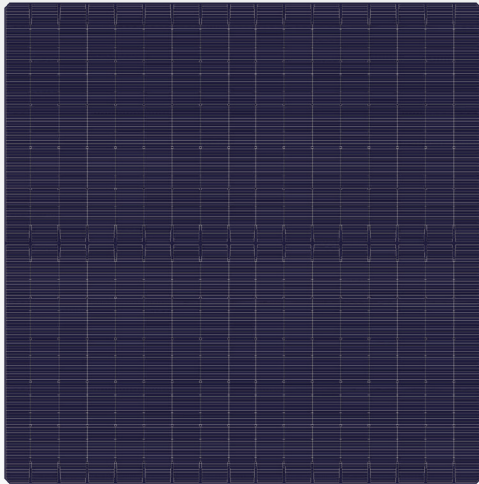


## M183-N TYPE 16BB Data Sheet



MADE  
IN  
PHILIPPINES



High conversion efficiency with high reliability



No light-induced degradation



Uniform cell performance with stable process control



Both sides can generate electricity



Low mismatch of cell performance during encapsulation



Excellent power generation performance under low irradiation



Low hot spot effect

SOLARIS  
PANABO

# M183-N TYPE 16BB Data Sheet

## TECHNICAL CHARACTERISTICS

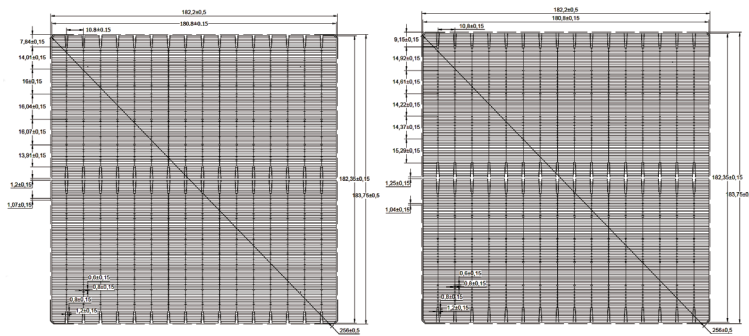
Dimension	182.2mm*183.75mm±0.5mm	TkVoltage:-0.25%/K
Thickness	130um±13um	TkCurrent:0.045%/K
Front	16*0.05±0.035mm bus bars(silver) black anti-reflecting coating(silicon nitride)	TkPower:-0.30%/K
Back(+)	0.05±0.035mm bus bars(silver) black anti-reflecting coating(silicon nitride)	Rsh≥50Ω,Irev2≤0.5A

## LIGHT INTENSITY AND RELIABILITY

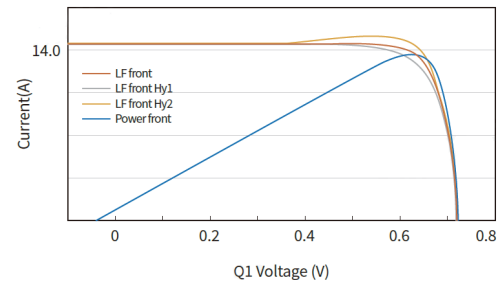
Intensity(W/m <sup>2</sup> )	Uoc	Isc
1000	1.000	1.000
900	0.996	0.903
800	0.991	0.803
600	0.988	0.602
400	0.962	0.403

The UOC(ISC) tested by 1000W/m<sup>2</sup> is the standard, and the ISC (ISC) decreases with the strong decrease in light.

## PRINTING GRAPHICS



## IV CURVE



## WELDABILITY

Minimum peeling intensity  $\geq 1.0\text{N/mm}$

Results may vary depending on the welding ribbon, welding methods and conditions.

## ELECTRICAL CHARACTERISTICS

Eff(%)	Pmp(W)	Umpp(V)	Impp(A)	Voc(V)	ISC(A)	FF(%)
25.5	8.54	0.6262	13.630	0.7264	14.174	82.90
25.4	8.50	0.6254	13.593	0.7255	14.168	82.71
25.3	8.47	0.6247	13.557	0.7246	14.150	82.59
25.2	8.43	0.6239	13.520	0.7237	14.144	82.40
25.1	8.40	0.6230	13.485	0.7225	14.144	82.21
25.0	8.37	0.6222	13.448	0.7218	14.136	82.01
24.9	8.33	0.6216	13.409	0.7210	14.123	81.85
24.8	8.30	0.6209	13.370	0.7204	14.107	81.68
24.7	8.27	0.6201	13.333	0.7193	14.096	81.54
24.6	8.23	0.6194	13.293	0.7185	14.078	81.40
24.5	8.20	0.6187	13.254	0.7177	14.064	81.24
24.4	8.17	0.6180	13.215	0.7169	14.043	81.12
24.3	8.13	0.6173	13.175	0.7161	14.026	80.98
24.2	8.10	0.6168	13.132	0.7156	14.023	80.72
24.1	8.07	0.6164	13.087	0.7150	14.015	80.50
24.0	8.03	0.6152	13.058	0.7136	14.027	80.25
23.9	8.00	0.6145	13.018	0.7128	14.023	80.03

STC:1000W/m<sup>2</sup>,AM1.5,25 C