



ASTROenergy
S O L A R

A **CHINT** COMPANY

Thin Film PV



AVAILABLE WATTAGES

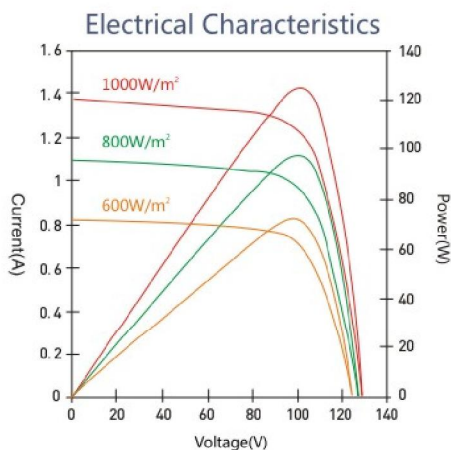
Tandem	100	105	110	115	120	125
Single	75	80	85	90	95	

THE ASTRONERGY PROMISE: "WE DO QUALITY"

High efficiency thin film PV modules are made with our in-house technology. We are among the first in the world to launch mass production of amorphous-microcrystalline thin film silicon [a-Si/ μ c-Si] tandem PV modules with conversion efficiency $\geq 9\%$. Module structure allows absorption in a wider spectrum of light and facilitates excellent performance. Our modules are crafted according to the highest quality control standards in our state-of-the-art manufacturing facilities.

Thin Film PV

Electrical Characteristics

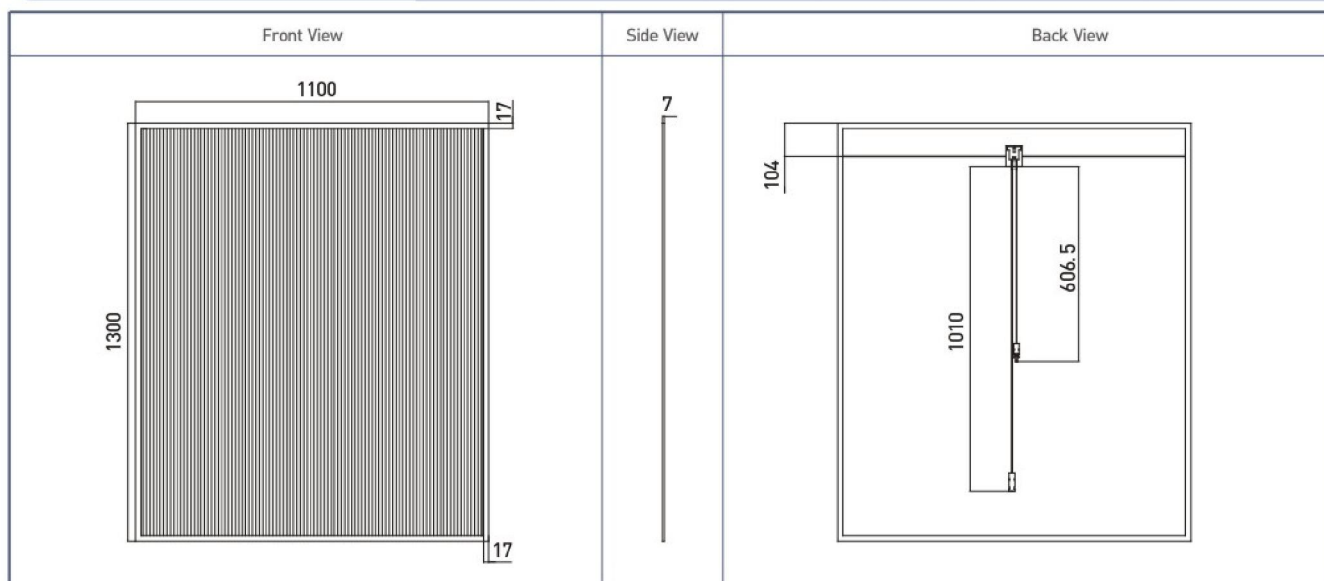


Pmax(Wp)	100	105	110	115	120	125
Isc(A)	1.27	1.32	1.37	1.43	1.47	1.52
Voc(V)	126	127	128	129	130	130
Imp(A)	0.99	1.03	1.07	1.11	1.14	1.19
Vmax(V)	101	102	103	104	105	105
Tolerance(W)	±3%					
Max. System Voltage(V)	DC1000V					
NOCT	45±3°C					
Power Temp. Coeff(/°C)	-0.27%					
Current Temp. Coeff(/°C)	0.05%					
Voltage Temp. Coeff(/°C)	-0.31%					
Test Condition	1000W/m² irradiance strength with a AM1.5 spectrum at module temperature 25°C					

Dimension Characteristics

Length	1300mm	Width	1100mm
Height	7mm	Weight	25.5kg
Cell Type		A-Si:H/μc-Si:H Tandem	

Front View and Back View



The thin film module could be :
 with or without frame; with or without mounting rack; with different types or thickness of back glass;
 * upon customers' request.

Unit:mm