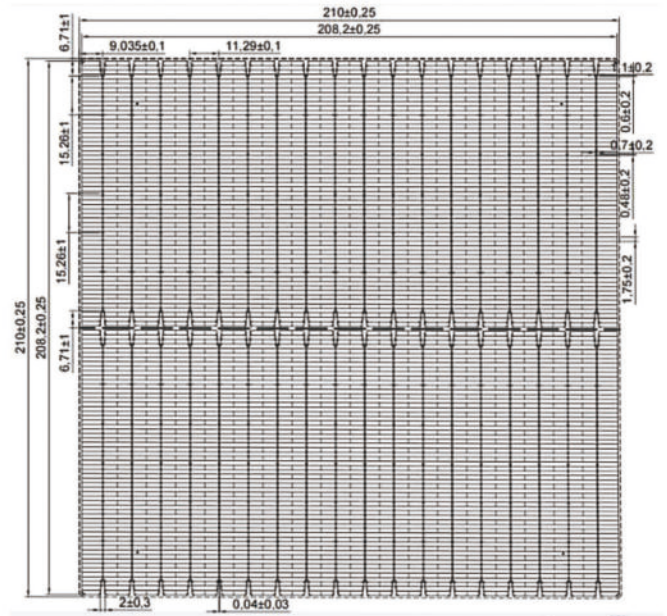
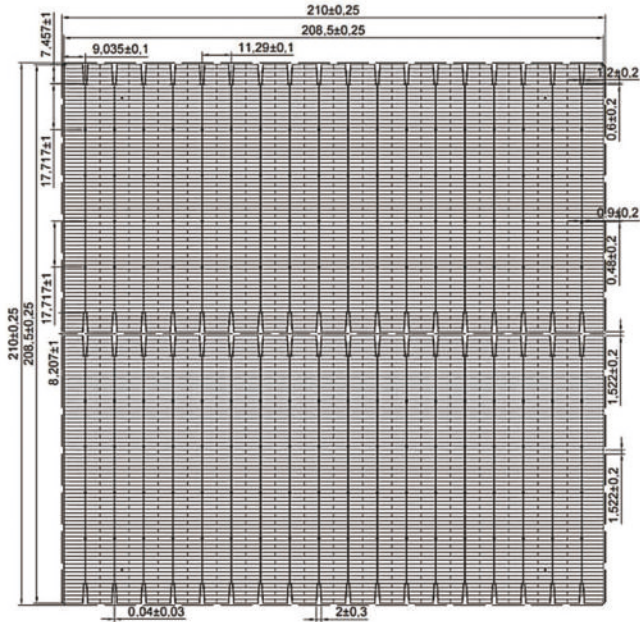


PTJ-TM1218



Solderability

Solderability

≥0.5N/mm

The results may be influenced by electrode, welding method and conditions

Light Intensity Reliability

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

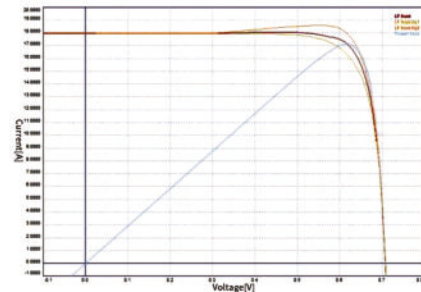
Technical Data And Design

Size	210mm*210mm±0.25mm, Φ295mm±0.25mm	Voltage: -0.26%/K
Thickness	170±20μm	Current: +0.046%/K
Front (-)	18"0.04±0.03mmmm main gate line (silver), 120±12 secondary gate lines blue (dark blue), anti-reflective film (silicon nitride)	Power: -0.32%/K
Back (+)	18"0.04±0.03mmBack electrode width (silver)138±14mm sub-grid lines	Rsh≥35Ω, Irev2≤1A

Back Electrical Performance Parameters

Eff(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Uoc(V)	Isc(A)
>20.5%	8.95	0.617	14.508	0.703	15.240
20.3%-20.5%	8.91	0.616	14.460	0.702	15.196
20.1%-20.3%	8.86	0.615	14.412	0.701	15.153
<20.1%	8.82	0.614	14.364	0.700	15.125

Iv Curve



Front Electrical Performance Parameters

Eff(%)	Pmpp(W)	Vmpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
24.4	10.76	0.623	17.343	0.717	18.119	82.82
24.3	10.72	0.621	17.313	0.715	18.113	82.74
24.2	10.67	0.619	17.264	0.713	18.101	82.68
24.1	10.63	0.619	17.217	0.712	18.096	82.48
24.0	10.58	0.617	17.195	0.711	18.032	82.55
23.9	10.54	0.616	17.131	0.710	17.996	82.48
23.8	10.49	0.615	17.110	0.709	17.920	82.60
23.7	10.45	0.614	17.085	0.708	17.914	82.40
23.6	10.41	0.612	17.053	0.707	17.885	82.30
23.5	10.36	0.610	17.032	0.706	17.867	82.15
23.4	10.32	0.609	16.994	0.705	17.832	82.08
23.3	10.27	0.608	16.928	0.704	17.795	82.01