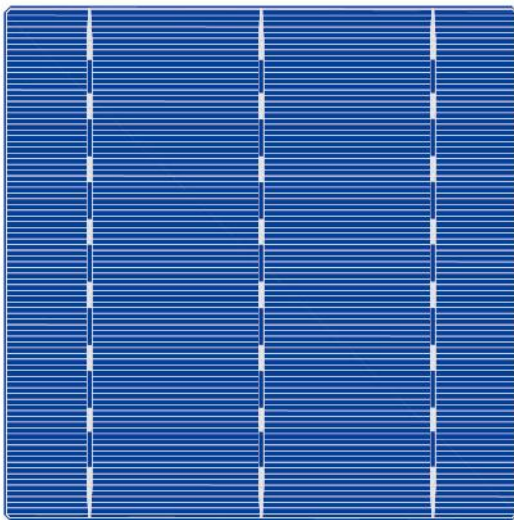


Multi-Crystalline Solar Cell

3 Bus Bar - Chain Pattern



Physical Characteristics

Dimension	156mm × 156mm ± 0.5mm
Thickness	200μm ± 20μm
Front Contact (-)	Blue Anti-reflective coating (silicon nitride), Textualized Surface(acid), three 1.5mm Bus Bar (silver)
Back Contact (+)	Back-Surface Field(aluminum), 2.3mm Wide Soldering Pads(silver / aluminum)

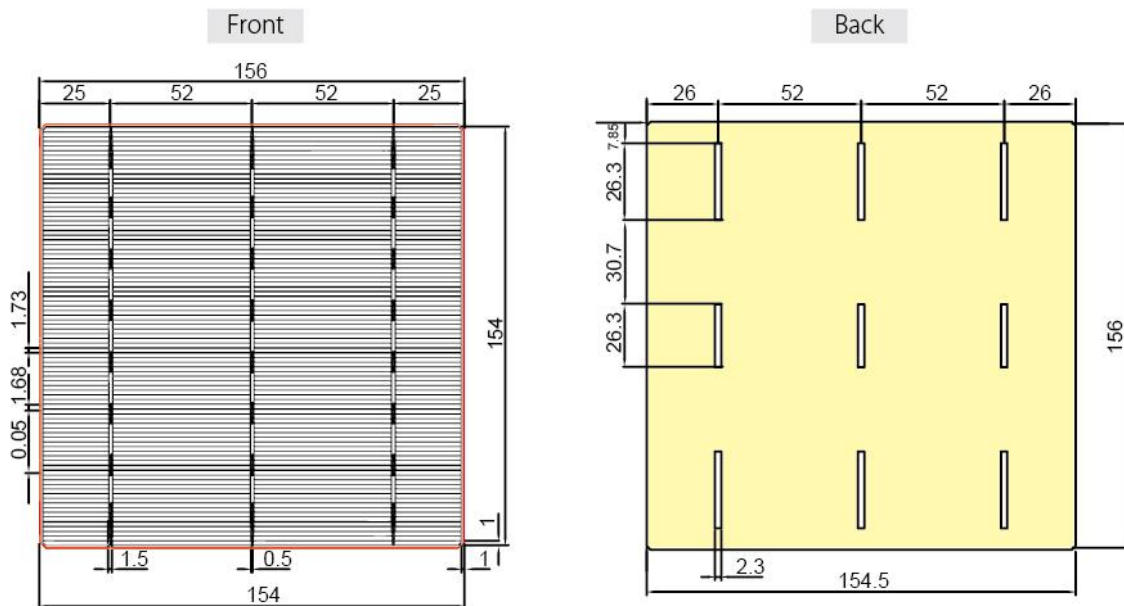
Features

- ➔ Perfect appearance and color uniformity
- ➔ Greatly reduce LID effect
- ➔ Specified reverse current to lower the risk for long term
- ➔ High shunt resistance
- ➔ Low breakage rate
- ➔ Low power loss in any environment condition
- ➔ High life time, stability, reliability and performance
- ➔ Calibrated against Fraunhofer ISE





► Appearance and Drawing



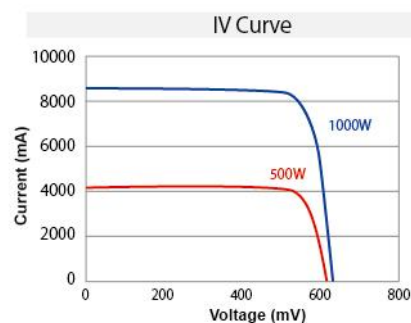
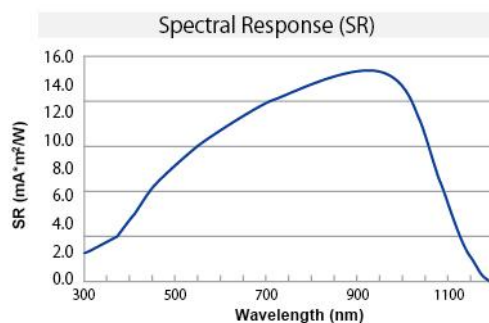
Electrical Characteristic

Model code	T1M-1840	T1M-1820	T1M-1800	T1M-1790	T1M-1780	T1M-1760	T1M-1740	T1M-1720	T1M-1700
Efficiency, (%)	18.40%	18.20%	18.00%	17.90%	17.80%	17.60%	17.40%	17.20%	17.00%
Pmax, (W)	4.48	4.43	4.38	4.36	4.33	4.28	4.23	4.19	4.14
Voc, (V)	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Isc, (A)	8.79	8.70	8.60	8.57	8.54	8.47	8.39	8.35	8.32
Vm, (V)	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.52	0.52
Im, (A)	8.39	8.33	8.27	8.23	8.20	8.14	8.08	8.02	7.96

*All Data under Standard Test Condition : 1000W /M2, AM1.5, 25°C. Efficiency Range ±0.1% abs

Temp. Coefficients

Power	-0.428 %/K
Current	0.0524 %/K
Voltage	-0.335 %/K



Tainergy Tech Co., Ltd.
 No.5, Tzu-Chiang 1st Road,
 Chungli Industrial Zone,
 Taoyuan City, Taiwan
 TEL: +886-3-272-6688

Tainergy Tech Japan K.K.
 Room 303, Noa Shiba-Daimon,
 1-4-4 Shiba-Daimon, Minato-ku,
 Tokyo, 105-0012 Japan
 TEL: +81-3-6809-1331

E-MAIL: tainergy@tainergy.com

WEBSITE: www.tainergy.com