

Quality and Performance

- Highest Technology
- 100% inspected for shunt resistance and reverse current
- Better performance in low light condition for improve energy yield
- Low light-induced degradation conditions
- All Solar cells are tightly classified to optimize output module
- Regularly monitoring of performance and solderability
- Superior mechanical performance
- All products conform to the regulation of RoHS

Physical Properties

Cell type	Multi-Crystalline
Dimension	156.75x156.75mm
Wafer thickness	200±20µm
Cell thickness	230±30µm
Color	Dark Blue / Blue / Light Blue
Front	4 bus-bars (segmented) with 0.9 mm ± 0.1 mm width Silicon nitride anti-reflection coating
Back	4 bus-bars (segmented) with 2.05 mm ± 0.25 mm width Full surface aluminum back surface field



SOLARTRON PUBLIC COMPANY LIMITED

1000/65, 66, 67 P.B. Tower 16th Floor,
Sukhumvit 71 Road, North Khlongton, Wattana,
Bangkok 10110, Thailand.

Tel : +66 2 392 0224 (Auto 10 Lines),

Fax : +66 2 381 0936 , +66 2 381 2971

E-mail : support@solartron.co.th www.solartron.co.th

SOLARTRON TECHNOLOGY CENTER

88/8 Moo 10, Nongnamdang, Pakchong,
Nakonratchasima 30130, Thailand.

Tel : +66 44 365 651, +66 44 365 652

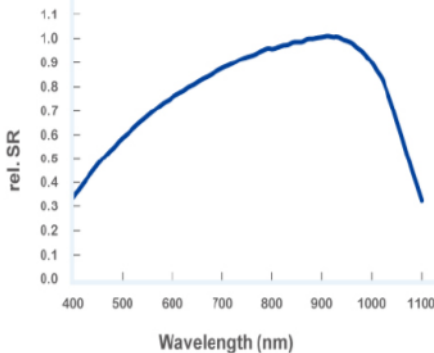
Fax : +66 44 365 654

Electrical Characteristics

Cell Eff. (%)	P _{mpp} (W)	V _{oc} (V)	I _{sc} (A)	V _{mpp} (V)	I _{mpp} (A)
18.4	4.52	0.639	8.899	0.542	8.341
18.3	4.50	0.638	8.865	0.541	8.311
18.2	4.47	0.636	8.844	0.539	8.297
18.1	4.45	0.635	8.810	0.538	8.266
18.0	4.42	0.633	8.789	0.536	8.251
17.9	4.40	0.632	8.754	0.534	8.236
17.8	4.37	0.630	8.732	0.533	8.206

❖ Standard Test Conditions of Irradiance of 1,000 W/m², Spectrum 1.5 AM , Temperature 25 °C.

Spectrum response AM 1.5



Temperature Coefficient

V _{oc} (%/K)	-0.31
I _{sc} (%/K)	0.06
Power (%/K)	-0.41

Irradiance Dependence

Irradiance	I _{sc} (%)	V _{oc} (%)	Power (%)
1000	100.0	100.0	100.0
800	99.0	79.9	80.1
600	97.7	59.9	59.8
400	95.9	39.8	39.9
200	92.8	19.9	19.1

SOLARTRON PUBLIC COMPANY LIMITED

1000/65, 66, 67 P.B. Tower 16th Floor,
Sukhumvit 71 Road, North Khlongton, Wattana,
Bangkok 10110, Thailand.

Tel : +66 2 392 0224 (Auto 10 Lines),

Fax : +66 2 381 0936 , +66 2 381 2971

E-mail : support@solartron.co.th www.solartron.co.th

SOLARTRON TECHNOLOGY CENTER

88/8 Moo 10, Nongnamdang, Pakchong,
Nakonratchasima 30130, Thailand.

Tel : +66 44 365 651, +66 44 365 652

Fax : +66 44 365 654