

BASIC INFORMATION

Format	156.75×156.75mm±0.25mm
Diameter	220.2±0.5mm
Thickness	220±20μm
Weight	12.0±0.5g
Front(-)	1.1mm bus bars (silver) .
	Blue anti-reflecting coating
	(silicon nitride).
Back(+)	2.1mm wide soldering pads(silver),
	back surface field(aluminium).

ELECTRICAL PARAMETERS

Efficiency Ncell(%)	Maximum power Pmpp(w)	Peak voltage Vmp(V)	Peak current Imp(A)	Open-circuit voltage Voc(V)	Short-circuit current Isc(A)
≥18.6	4.57	0.540	8.463	0.640	8.931
18.5-18.6	4.55	0.539	8.441	0.639	8.914
18.4-18.5	4.52	0.538	8.401	0.638	8.879
18.3-18.4	4.50	0.537	8.380	0.637	8.866
18.2-18.3	4.47	0.535	8.355	0.636	8.829
18.1-18.2	4.45	0.533	8.349	0.634	8.822
18.0-18.1	4.42	0.532	8.308	0.633	8.788
17.9-18.0	4.40	0.531	8.286	0.632	8.773
17.8-17.9	4.37	0.530	8.245	0.631	8.755
17.7-17.8	4.35	0.528	8.238	0.630	8.722

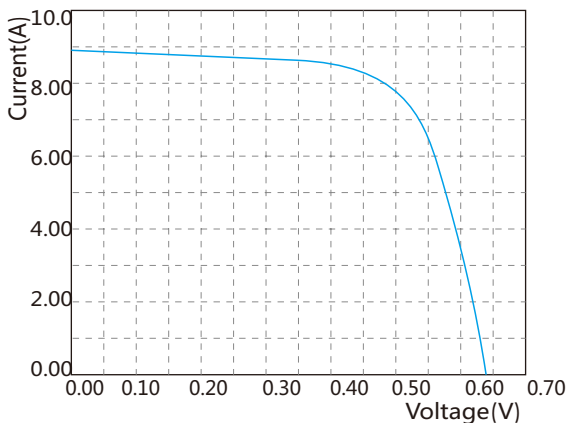
TEMPERATURE CHARACTERISTICS

NAME	UNIT	VALUE
αIsc	[%/°C]	0.057
βVoc	[%/°C]	-0.308
γPmax	[%/°C]	-0.406

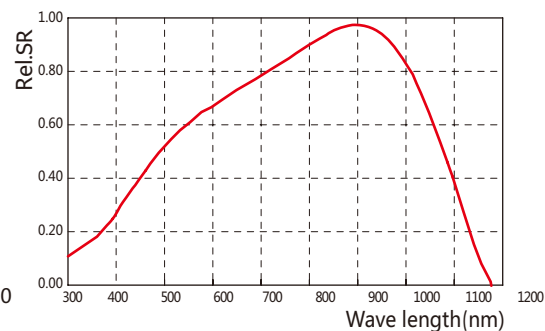
INTENSITY DEPENDENCE

Irradiance [W/m ²]	Open-circuit voltage [%]	Short-circuit current [%]	Maximum power [%]
1000	100.0	100.0	100.0
800	99.00	79.99	80.18
600	97.70	59.90	59.85
400	95.96	39.87	39.95
200	92.83	19.94	19.13

I-V CURVE



SPECTRAL RESPONSE



QUALITY ASSURANCE



ISO 9001



ISO 14001



Fraunhofer