

BASIC INFORMATION

Format	156.75×156.75mm±0.25mm
Diameter	220.2±0.5mm
Thickness	220±20μm(regardless of the front silver)
Weight	11.5±0.5g
Front(-)	1.1mm bus bars (silver), 101 fingers
	Blue anti-reflecting coating
	(silicon nitride).
Back(+)	2.1mm wide soldering pads(silver),
	back surface field(aluminium).

Efficiency Ncell(%)	Maximum power Pmpp(w)	Peak voltage Vmp(V)	Peak current Imp(A)	Open-circuit voltage Voc(V)	Short-circuit current Isc(A)
≥18.8	4.61	0.544	8.491	0.642	8.994
18.7-18.8	4.59	0.543	8.462	0.641	8.966
18.6-18.7	4.57	0.542	8.432	0.640	8.943
18.5-18.6	4.55	0.541	8.402	0.639	8.914
18.4-18.5	4.52	0.539	8.388	0.638	8.886
18.3-18.4	4.50	0.538	8.358	0.636	8.871
18.2-18.3	4.47	0.536	8.343	0.635	8.842
18.1-18.2	4.45	0.535	8.313	0.634	8.813
18.0-18.1	4.42	0.533	8.298	0.632	8.797
17.9-18.0	4.40	0.531	8.283	0.630	8.792

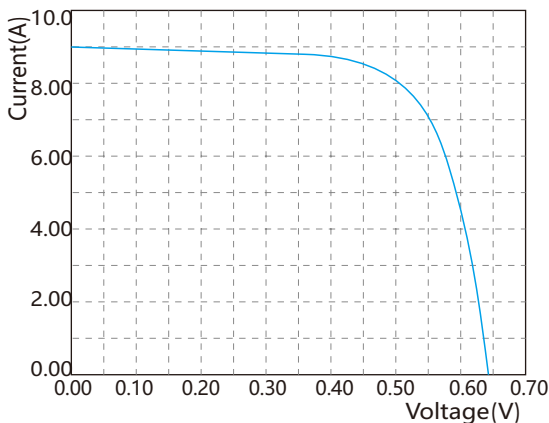
TEMPERATURE CHARACTERISTICS

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

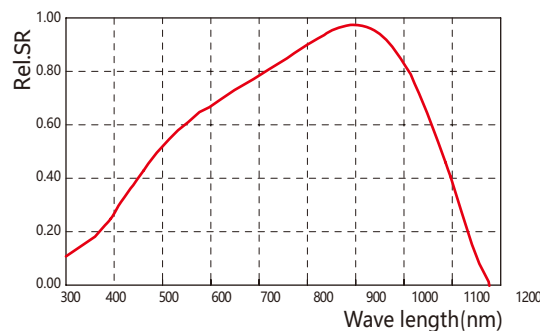
INTENSITY DEPENDENCE

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