

BASIC INFORMATION

Format	125.0×125.0mm±0.5mm
Diameter	165.0 ±0.5mm
Thickness	220±20μm
Weight	6.7±0.5g
Front(-)	1.4mm bus bars (silver) .
	Blue anti-reflecting coating (silicon nitride).
Back(+)	2.0mm 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)
≥19.9	3.06	0.540	5.668	0.641	5.942
19.8-19.9	3.05	0.539	5.659	0.641	5.923
19.7-19.8	3.03	0.539	5.621	0.640	5.907
19.6-19.7	3.01	0.538	5.595	0.640	5.887
19.5-19.6	3.00	0.538	5.576	0.639	5.863
19.4-19.5	2.98	0.537	5.549	0.639	5.848
19.3-19.4	2.97	0.537	5.531	0.638	5.829
19.2-19.3	2.95	0.536	5.504	0.638	5.811

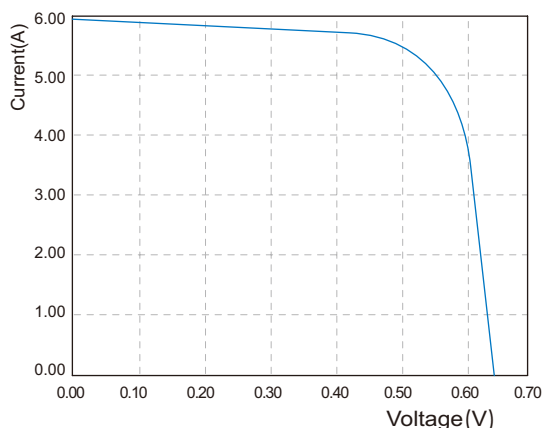
TEMPERATURE CHARACTERISTICS

NAME	UNIT	VALUE
α_{sc}	[%/°C]	0.043
β_{sc}	[%/°C]	-0.320
γ_{sc}	[%/°C]	-0.420

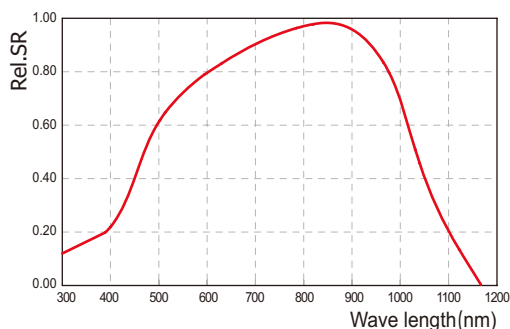
INTENSITY DEPENDENCE

Irradiance [W/m ²]	Open-circuit voltage [%]	Short-circuit current [%]	Maximum power [%]
1000	100.0	100.0	100.0
800	99.10	80.08	80.24
600	97.84	60.00	59.99
400	96.22	40.00	39.68
200	93.32	19.98	19.30

I-V CURVE



SPECTRAL RESPONSE



QUALITY ASSURANCE



ISO 9001



ISO 14001



Fraunhofer