

BASIC INFORMATION

Format	156.75 × 156.75mm ± 0.25mm
Diameter	210.0 ± 0.25mm
Thickness	210 ± 20μm (regardless of the front silver)
Weight	11.0 ± 0.5g
Front(-)	1.0mm bus bars, 96 fingers
	Dark blue anti-reflecting coating (silicon nitride).
Back(+)	1.7mm 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)
≥ 20.6	5.03	0.554	9.085	0.650	9.559
20.5-20.6	5.01	0.554	9.040	0.649	9.539
20.4-20.5	4.98	0.553	9.013	0.649	9.516
20.3-20.4	4.96	0.551	9.001	0.648	9.508
20.2-20.3	4.94	0.550	8.973	0.647	9.487
20.1-20.2	4.91	0.549	8.945	0.647	9.452
20.0-20.1	4.89	0.548	8.916	0.646	9.443
19.9-20.0	4.86	0.547	8.888	0.646	9.407
19.8-19.9	4.84	0.546	8.860	0.645	9.386

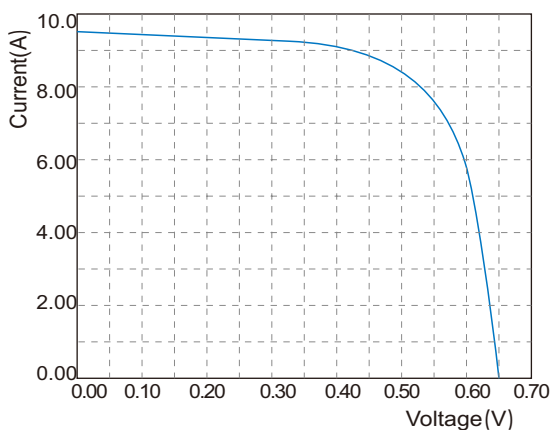
TEMPERATURE CHARACTERISTICS

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

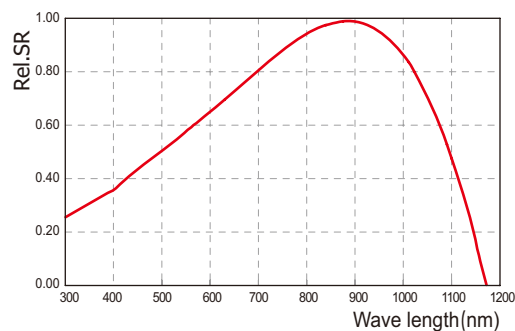
INTENSITY DEPENDENCE

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