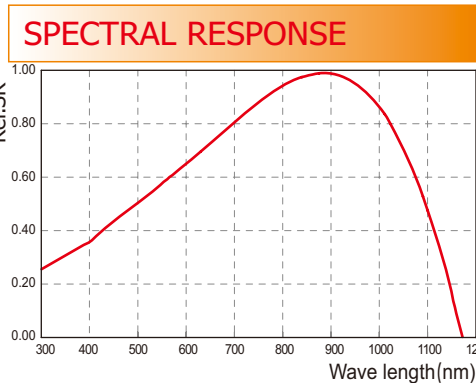
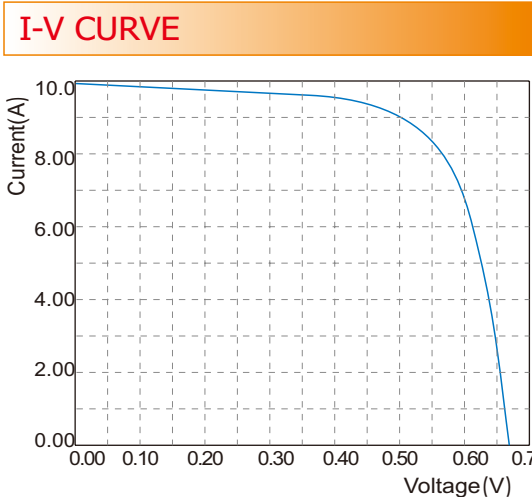


BASIC INFORMATION	
Format	156.75 × 156.75mm ± 0.25mm
Diameter	210.0 ± 0.25mm
Thickness	200 ± 20μm (regardless of the front silver)
Weight	10.5 ± 0.5g
Front(-)	0.7mm wide bus bars, 110 fingers
	Dark blue anti-reflecting coating
	silicon nitride
Back(+)	1.7mm wide soldering pads
	back surface field (aluminium).

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)
≥21.8	5.32	0.567	9.393	0.668	9.911
21.7-21.8	5.30	0.566	9.367	0.667	9.886
21.6-21.7	5.28	0.566	9.324	0.666	9.861
21.5-21.6	5.25	0.565	9.297	0.665	9.849
21.4-21.5	5.23	0.564	9.270	0.664	9.830
21.3-21.4	5.20	0.562	9.259	0.663	9.817
21.2-21.3	5.18	0.561	9.232	0.663	9.777
21.1-21.2	5.16	0.560	9.025	0.662	9.758
21.0-21.1	5.13	0.558	9.195	0.661	9.763
20.9-21.0	5.11	0.556	9.184	0.660	9.768
20.8-20.9	5.08	0.554	9.172	0.659	9.761

TEMPERATURE CHARACTERISTICS		
NAME	UNIT	VALUE
$\alpha_{Isc}$	[%/°C]	0.060
$\beta_{Voc}$	[%/°C]	-0.300
$\gamma_{Pmax}$	[%/°C]	-0.390

INTENSITY DEPENDENCE			
Irradiance [W/m²]	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



**QUALITY ASSURANCE**



ISO 9001



ISO 14001



OHSAS 18000  
职业健康安全管理体系认证



Fraunhofer