







Solar Cells

Top Grade

-  High efficiency and long-term reliability
-  Stable performance under weak light conditions
-  PID free treatment upon request
-  Low power loss

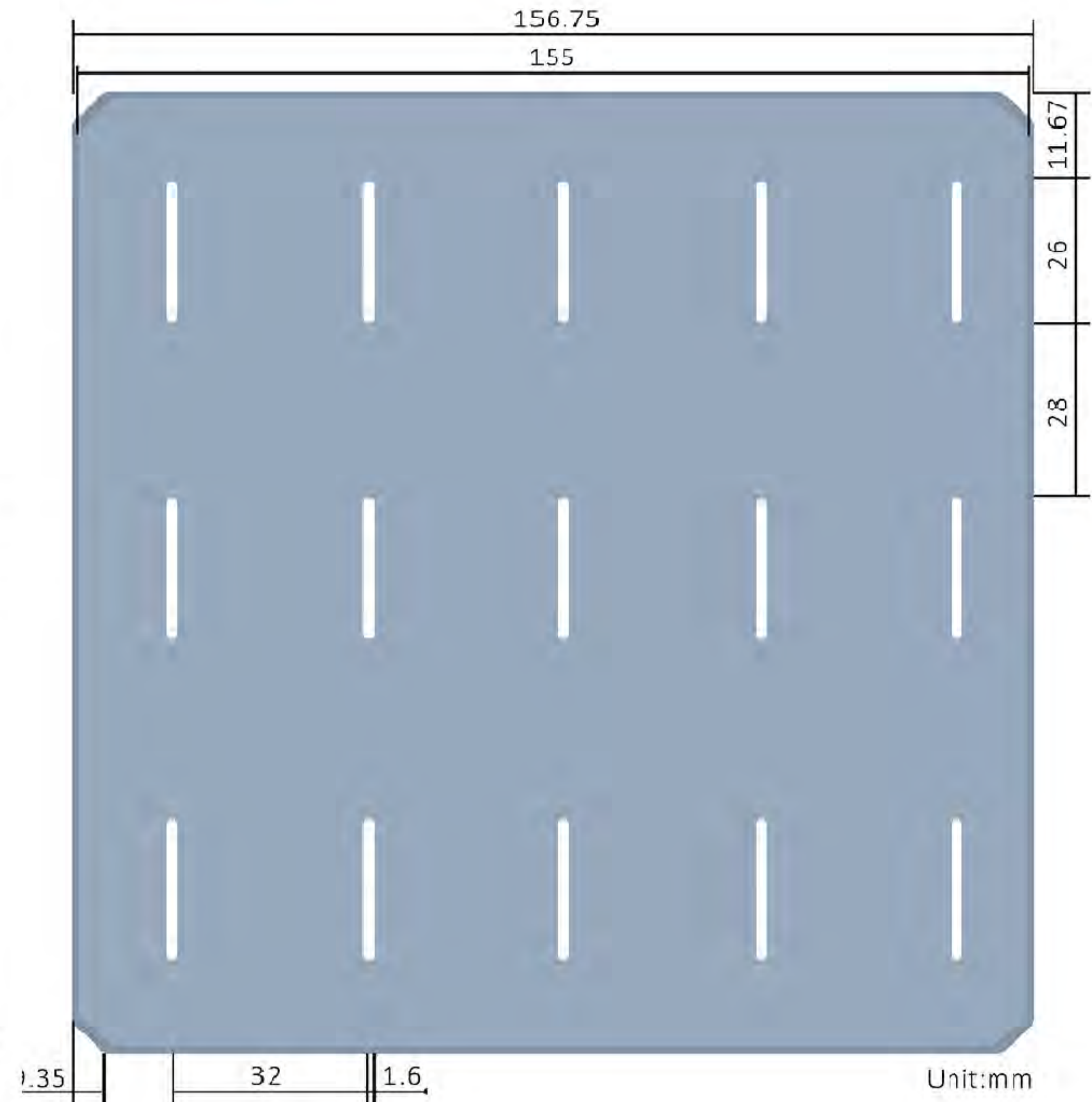
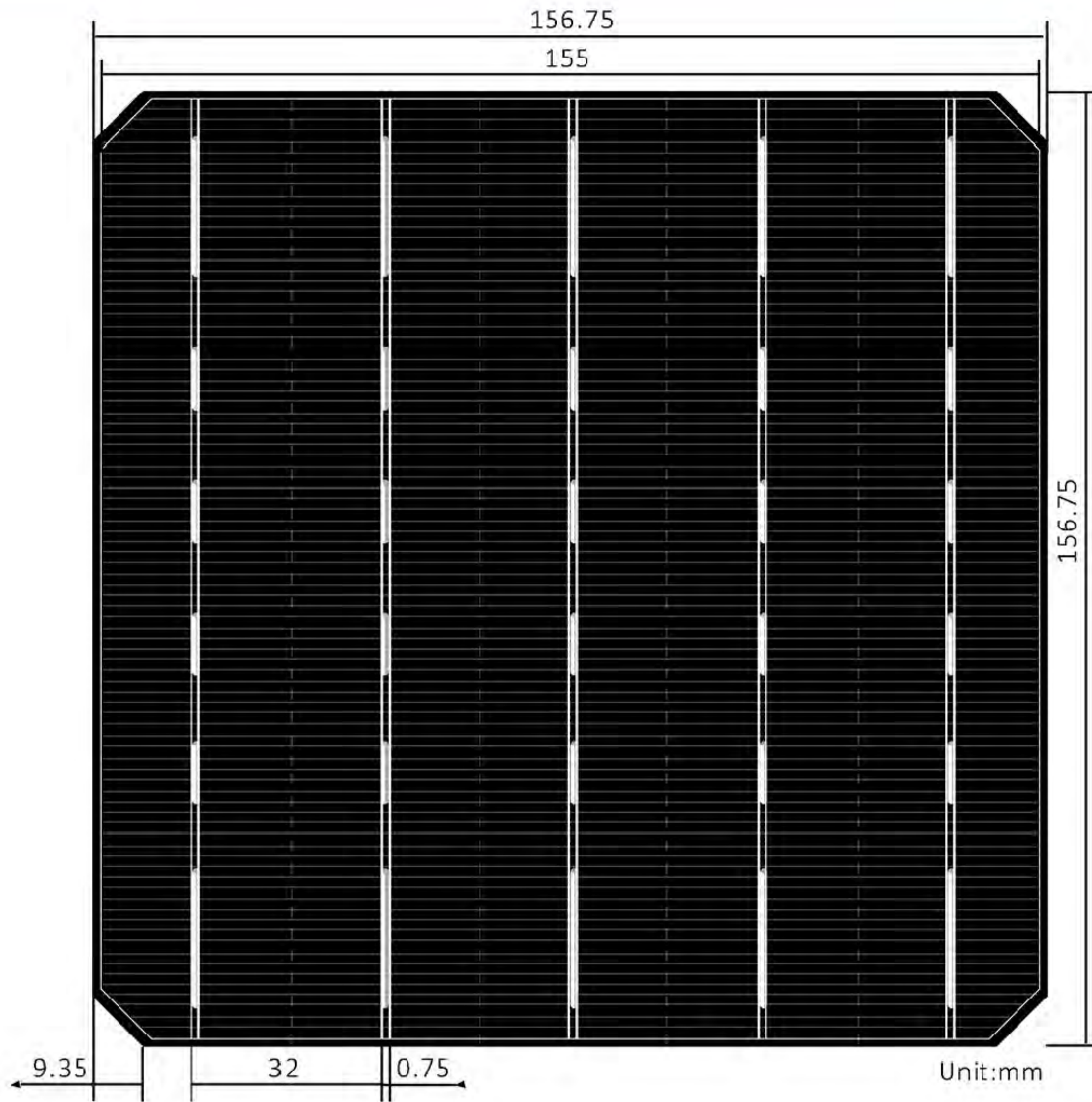
Technology

- Five bus bar
- Anti-reflecting coating
- Appearance consistency

Key Features

- Excellent electrical conductivity
- Appearance consistency
- Low fragmentation rate

Mono Solar Cell 157



Application

- Solar power stations system
- Rural electrification
- Power supply for traffic, security
- Battery charging system
- Other commercial applications



Basic Parameters

Size	157.00mm×157.00±0.25mm
Diameter	210±0.5mm
Thickness	180±10µm
Weight	12.5±0.5g
Front	0.75mm silver bus bars
Back	1.8mm wide silver soldering pads
Model Type	AS157M

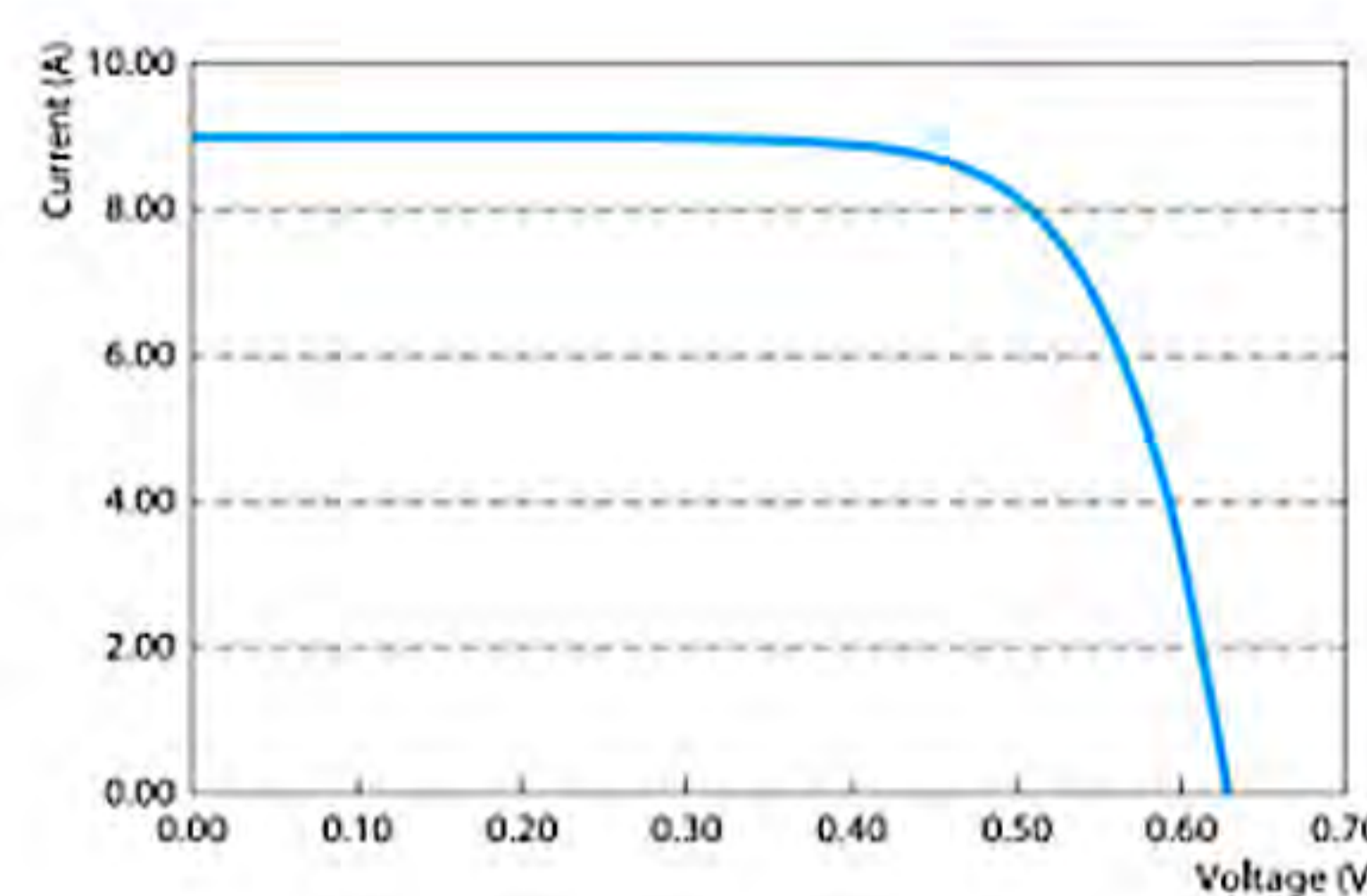
Electrical Parameters

Efficiency(%)	Pmpp(W)	Impp(A)	Isc(A)	Umpp(V)	Uoc(V)
21.70	5.310	9.355	9.847	0.565	0.663
21.60	5.277	9.342	9.821	0.564	0.662
21.50	5.252	9.330	9.811	0.563	0.661
21.40	5.228	8.310	9.800	0.562	0.660
21.30	5.204	9.290	9.785	0.561	0.659
21.20	5.181	9.270	9.770	0.560	0.658
21.10	5.151	9.250	9.750	0.559	0.657
21.00	5.131	9.230	9.730	0.558	0.656

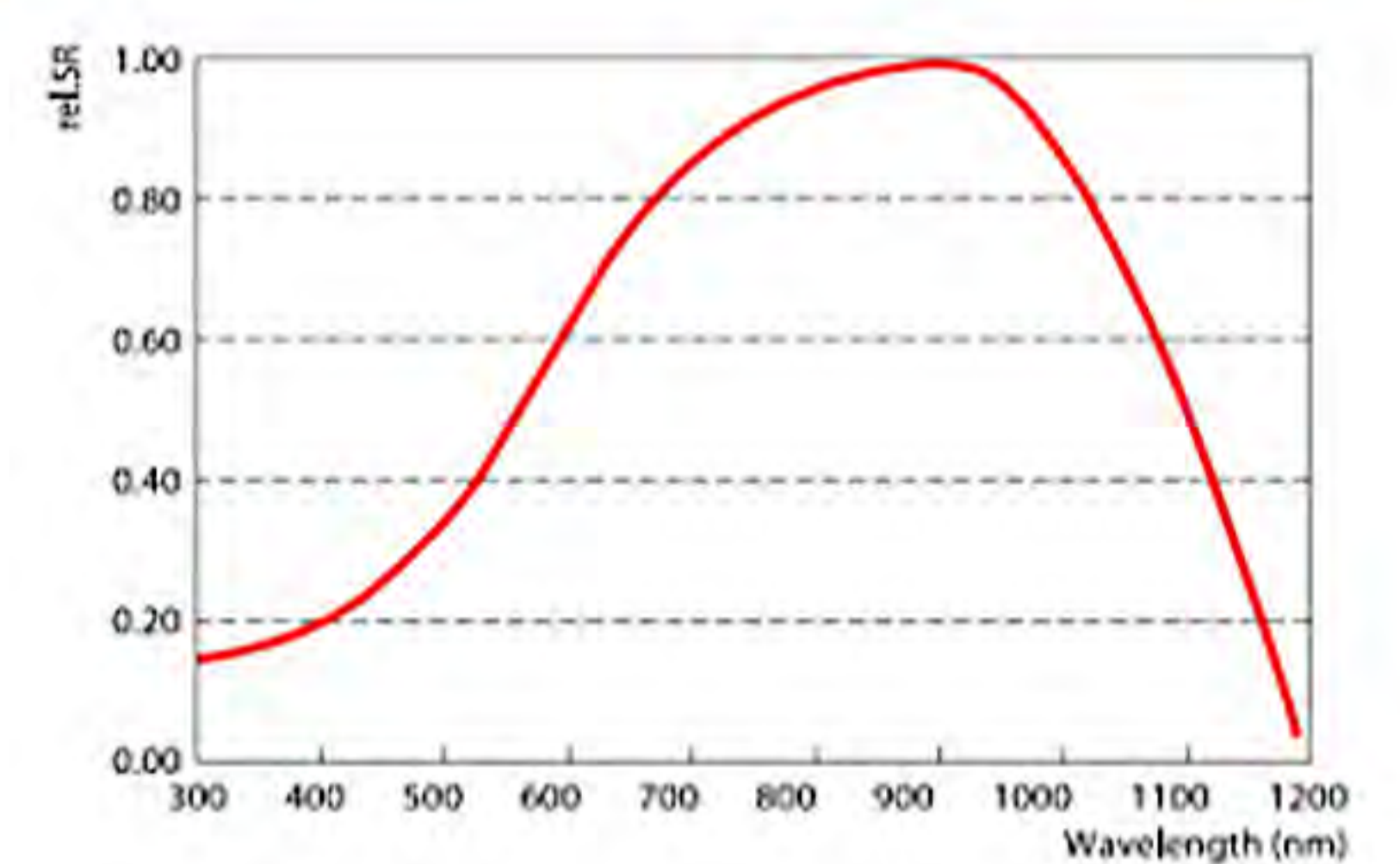
Temperature Coefficients

Current temperature coefficient	+0.04%/°C
Voltage temperature coefficient	-0.32%/°C
Power temperature coefficient	-0.42%/°C

IV CURVE

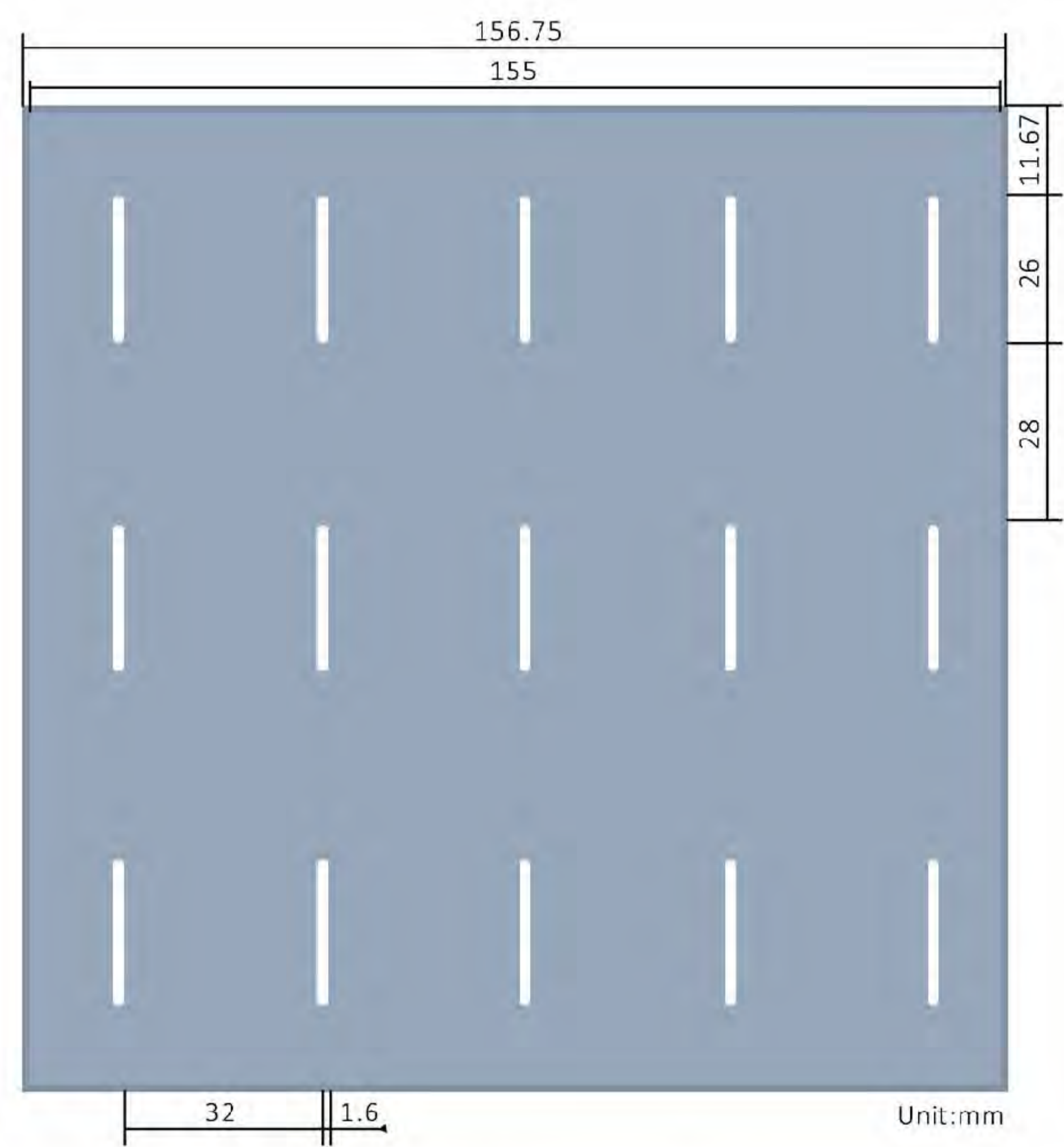
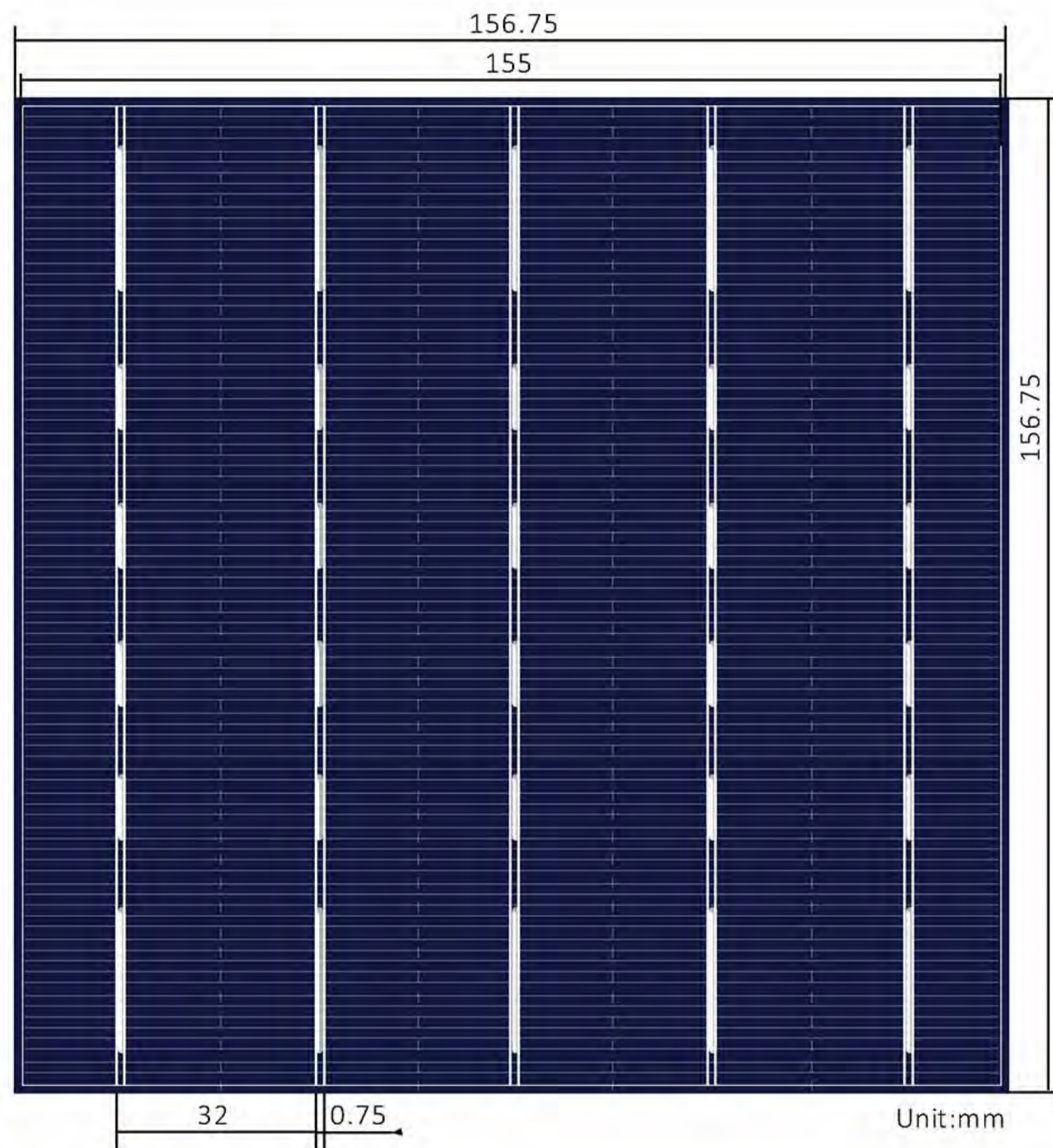


SPECTRAL RESPONSE



Calibrated under AM 1.5 global SRC in Fraunhofer ISE.

Poly Solar Cell 157



Application

- Solar power stations system
- Rural electrification
- Power supply for traffic, security
- Battery charging system
- Other commercial applications



Basic Parameters

Size	157.00mm×157.00±0.25mm
Diameter	220.50±0.7mm
Thickness	200±20μm
Weight	12.5±0.5g
Front	0.68mm silver bus bars
Back	1.8mm wide silver soldering pads
Model Type	AS157P

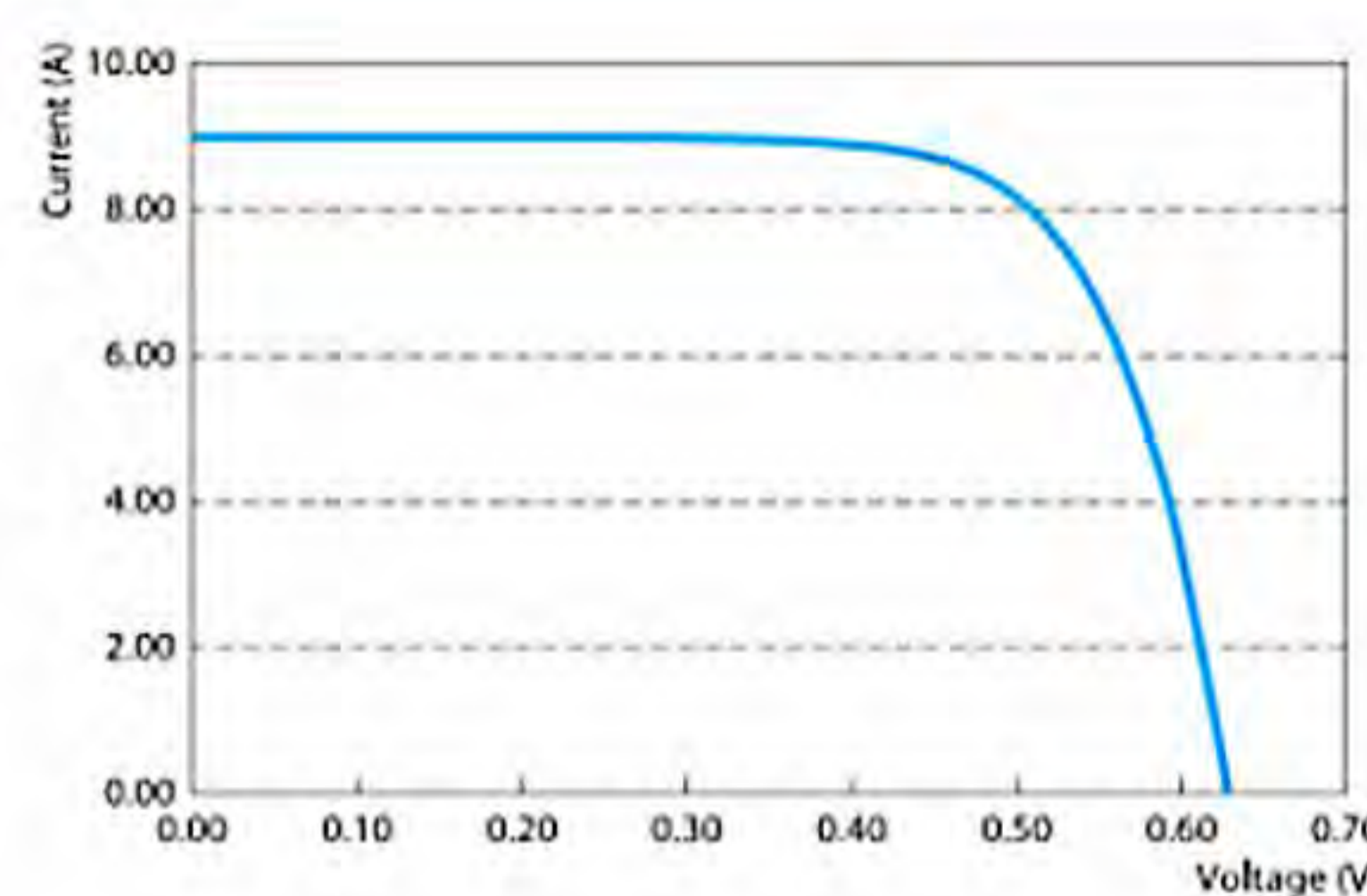
Electrical Parameters

Efficiency(%)	Pmpp(W)	Impp(A)	Isc(A)	Ump(V)	Uoc(V)
19.00	4.67	8.591	9.070	0.543	0.638
18.80	4.62	8.552	9.045	0.540	0.635
18.60	4.57	8.481	8.945	0.539	0.633
18.40	4.52	8.409	8.886	0.538	0.632
18.20	4.47	8.374	8.848	0.534	0.629
18.00	4.42	8.301	8.765	0.533	0.628
17.80	4.37	8.247	8.725	0.530	0.626

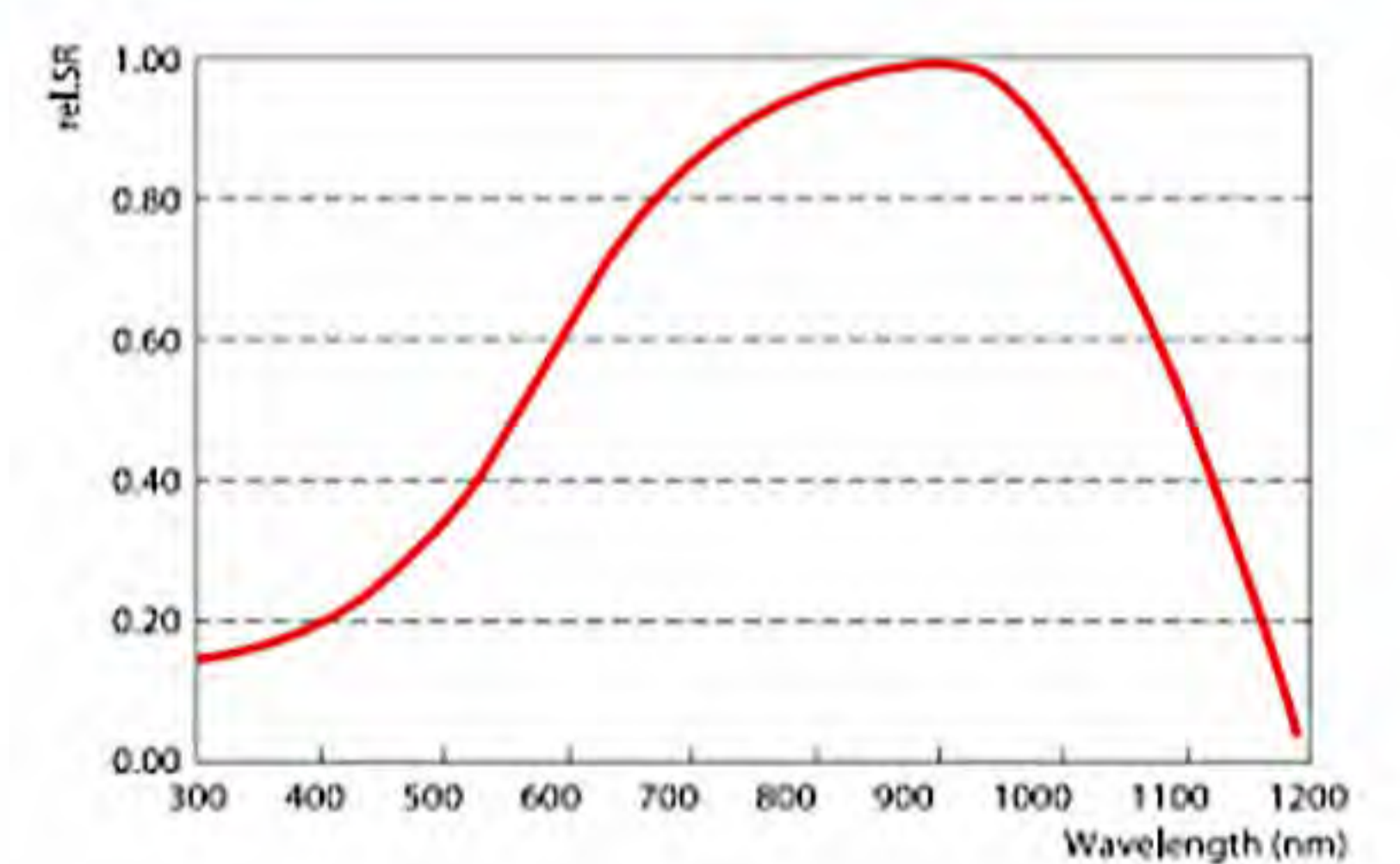
Temperature Coefficients

Current temperature coefficient	+0.06%/°C
Voltage temperature coefficient	-0.35%/°C
Power temperature coefficient	-0.42%/°C

IV CURVE

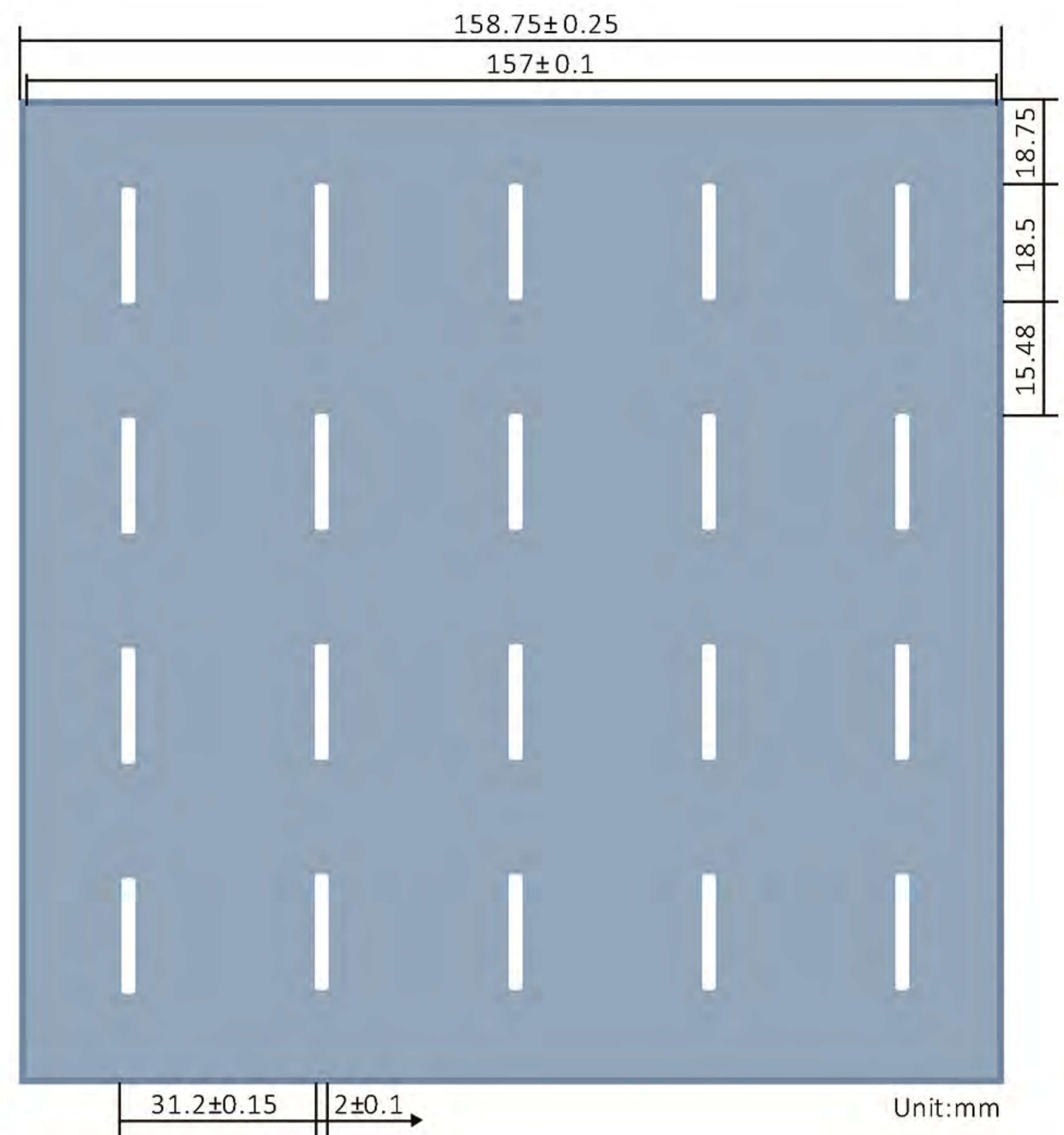
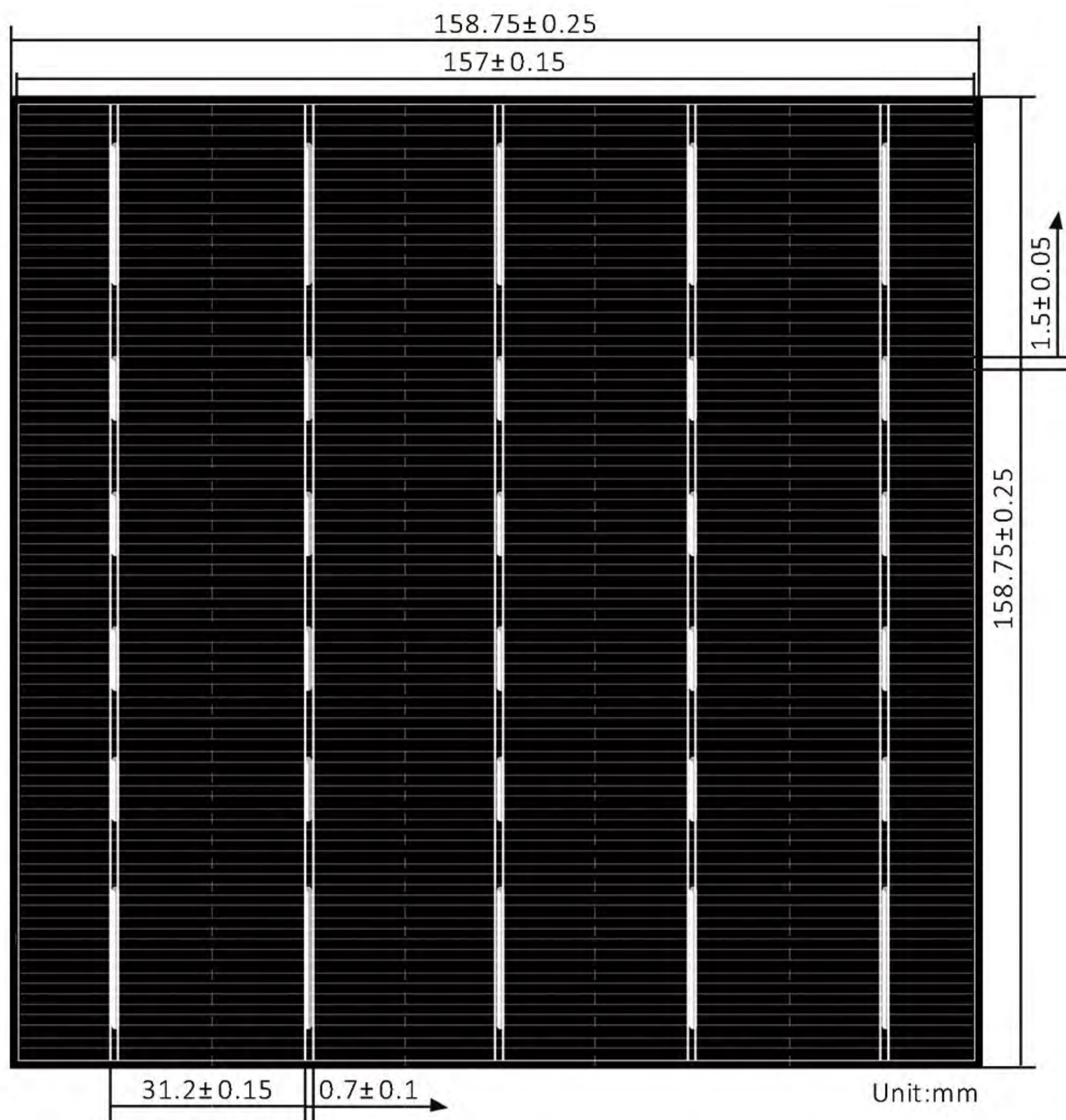


SPECTRAL RESPONSE



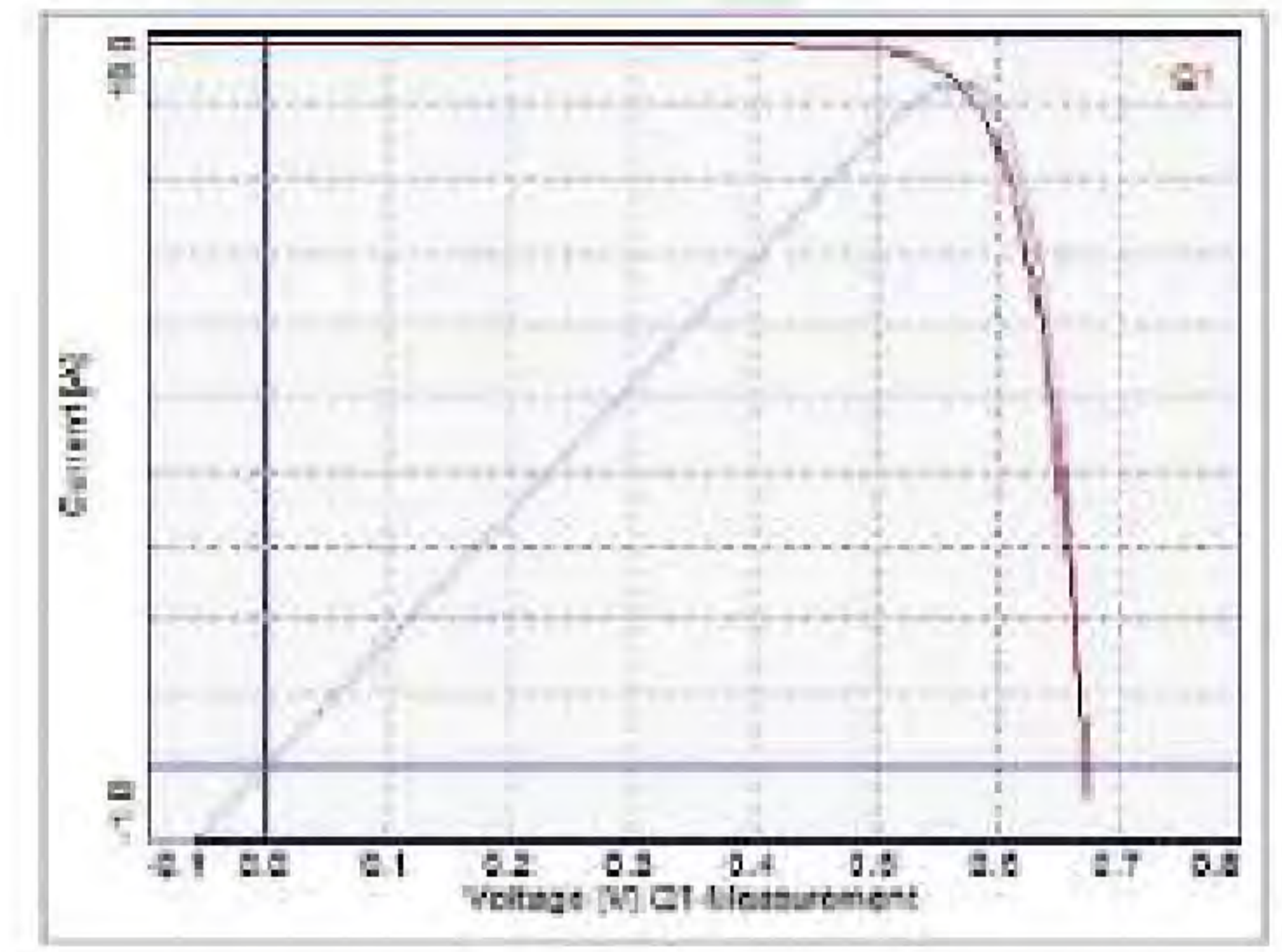
Calibrated under AM 1.5 global SRC in Fraunhofer ISE.

Mono Solar Cell 158



Basic Parameters

Size	158.75mm×158.75±0.25mm
Diameter	223±0.7mm
Thickness	180(-10,+20)μm
Weight	12.8±0.5g
Front	0.7mm silver bus bars
Back	1.8mm wide silver soldering pads
Model Type	AS158M



10 years
warranty



Electrical Parameters

Efficiency(%)	Pmpp(W)	Impp(A)	Isc(A)	Umpp(V)	Uoc(V)
22.00	5.52	9.50	10.05	0.581	0.681
21.90	5.49	9.49	10.04	0.579	0.678
21.80	5.47	9.46	9.99	0.578	0.677
21.70	5.44	9.45	9.98	0.576	0.675
21.60	5.42	9.42	9.95	0.575	0.674
21.50	5.39	9.40	9.93	0.574	0.672
21.40	5.37	9.40	9.93	0.571	0.669
21.30	5.34	9.38	9.91	0.570	0.667