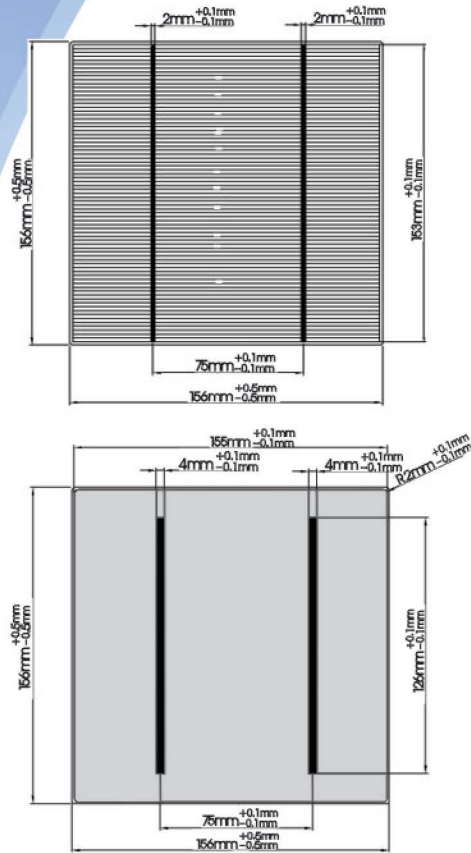
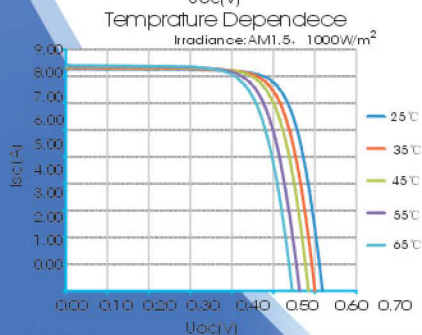
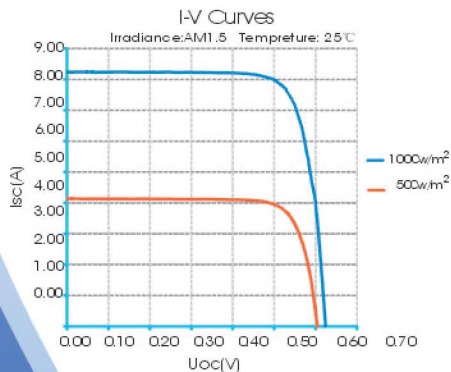




## External dimensions



## Characteristic curves



## Electrical Characteristic

CLSP156	Efficiency(%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	Vap(V)	Iap(A)
AE175	17.4-17.6	4.26	0.534	8.01	0.631	8.54	0.5	8.30
AE173	17.2-17.4	4.21	0.533	7.96	0.629	8.48	0.5	8.23
AE171	17.0-17.2	4.16	0.530	7.92	0.626	8.42	0.5	8.17
AE169	16.8-17.0	4.11	0.526	7.88	0.623	8.38	0.5	8.10
AE167	16.6-16.8	4.06	0.522	7.84	0.621	8.33	0.5	8.03
AE165	16.4-16.6	4.02	0.518	7.79	0.619	8.27	0.5	7.96
AE163	16.2-16.4	3.97	0.514	7.72	0.617	8.22	0.5	7.89
AE161	16.0-16.2	3.92	0.511	7.66	0.614	8.17	0.5	7.81

This data represents the performance of typical products, and is based on measurements made in accordance with IEC904-1 corrected to STC (Light intensity: Standard intensity 1000W/m<sup>2</sup>, Temperature: 25°C, Spectrum: AM1.5 spectrum)

## Mechanical Characteristics

Format	156mm×156mm±0.5mm
Average Thickness	200 μm±40 μm
Front	Textured silicon Blue Silicon Nitride Antireflective Coating
Back	Full surface aluminum back-surface field 4mm wide silver soldering pads

## Temperature Coefficients

Current temperature coefficient	+ 3.3 mA/K
Voltage temperature coefficient	- 2.0 mV/K
Power temperature coefficient	- 0.4 %/K



# CHINALIGHT SOLAR

## CLSPI56

( Polycrystalline Silicon Solar Cell )



### Good energy yield

Excellent isotropic diffuse reflection with mix acid etch surface

Silicon nitrate antireflection coatings deposited using plasma-enhanced chemical vapor deposition



### Well electric contact

Both front and back use silver contact

Back surface field is aluminum



### High quality

Long-term electrical stability

Narrow performance tolerances

Excellent low light behavior

PID free



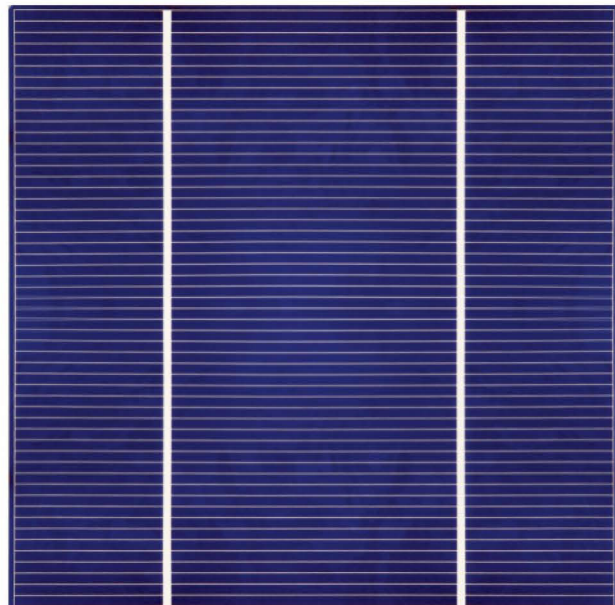
### Strictly quality testing

Automatism testing and 24 separate bins base on IEC60904 criterion

100% strictly final testing for countercurrent, shunt and series resistance

100% inspection for visual and optical defects

Calibration by Fraunhofer ISE



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