

POLYCRYSTALLINE SILICON SOLAR CELLS



FEATURES

- Color uniformity
- Higher peel strength and higher electricity power output
- Tighter product performance distribution and 0.1% efficiency step reduce the mismatch power loss during module assembly
- Innovative 5-busbar technology obtains more concentrated cell efficiency distribution and effectively reduce current loss induced by micro-crack
- Excellent PID free performance
- Low reverse leakage current

PRODUCTION AND QUALITY CONTROL

- Standard cells calibrated by Fraunhofer ISE
- LID monitoring
- Peel strength control
- Reverse current screening

IR - P156 - 5BB

No.	Efficiency (%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
01	19.60-19.70	4.77	0.553	8.63	0.652	9.103	80.37
02	19.50-19.60	4.75	0.550	8.63	0.651	9.090	80.24
03	19.40-19.50	4.72	0.549	8.60	0.650	9.074	80.07
04	19.30-19.40	4.70	0.547	8.59	0.648	9.061	80.04
05	19.20-19.30	4.67	0.545	8.57	0.647	9.040	79.93
06	19.10-19.20	4.65	0.544	8.54	0.645	9.029	79.86
07	19.00-19.10	4.62	0.542	8.53	0.644	9.023	79.61
08	18.90-19.00	4.60	0.540	8.52	0.643	9.021	79.33
09	18.80-18.90	4.58	0.539	8.49	0.641	9.020	79.17

MECHANICAL DATA AND DESIGN

Format	156mm× 156mm±0.5mm
Thickness	200±20µm
Front (-)	0.9mm busbars (silver), blue anti-reflecting coating (silicon nitride)
Back (+)	2.1mm wide soldering pads (silver) back surface field (aluminum)

STANDARD TEST CONDITIONS (STC)

Light intensity	1000W/m ²
Spectrum	AM1.5G
Temperature	25°C

TEMPERATURE COEFFICIENTS

α (Isc)	+0.05%/K
β (Voc)	-0.30%/K
γ (Pmpp)	-0.41%/K

PACKING INFORMATION

Container	20' GP	40' GP
Pallets per Container	14	28
Pieces per Container	224000	448000

IV CURVE

