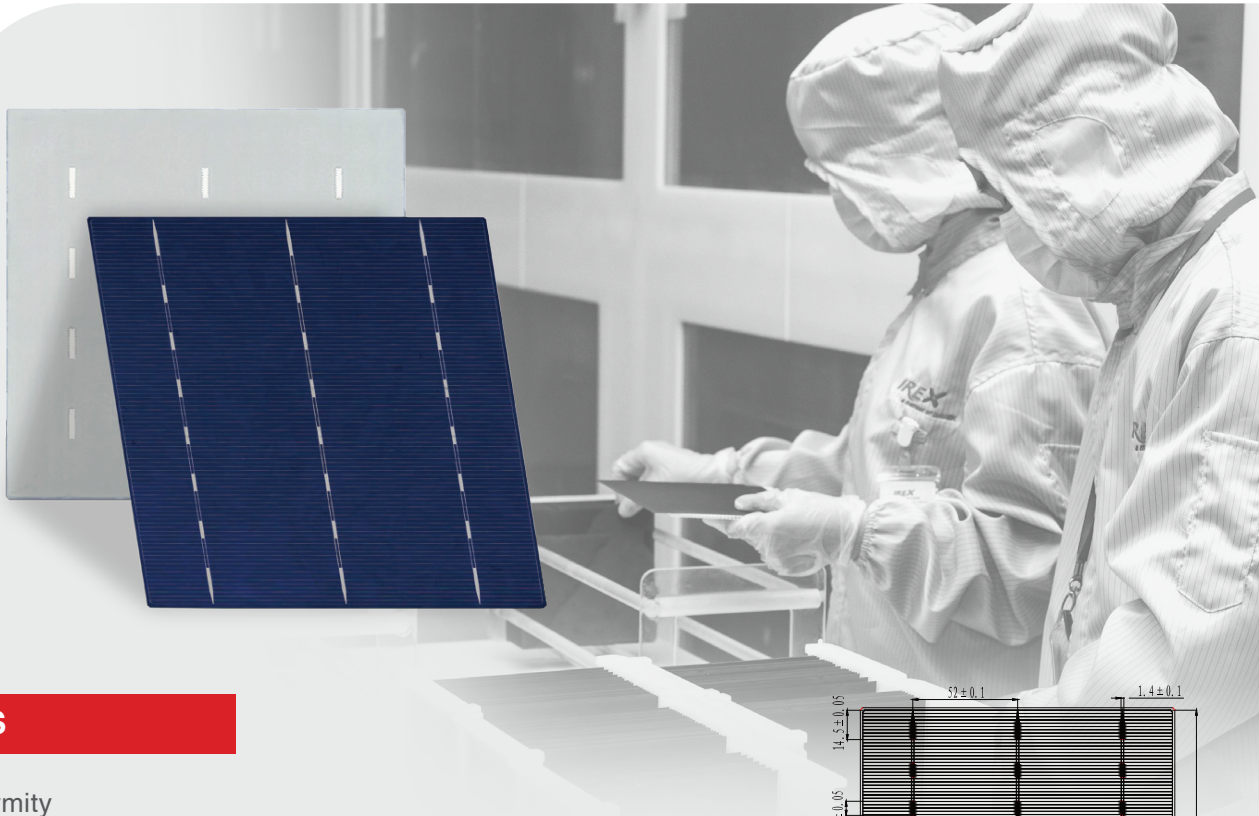


**POLYCRYSTALLINE SILICON
SOLAR CELLS**

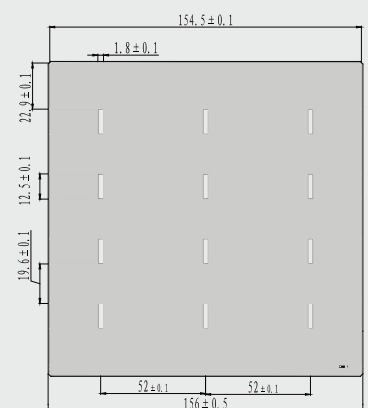
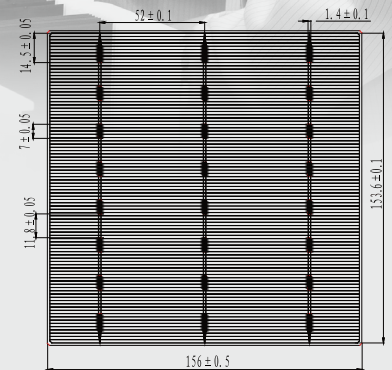


FEATURES

- Color uniformity
- Higher peel strength
- Tighter product performance distribution and 0.1% efficiency step reduce the mismatch power loss during module assembly
- Good module reliability
- 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



IREX ENERGY JOINT STOCK COMPANY

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POLYCRYSTALLINE SILICON SOLAR CELLS

IRP156-3BB-96

No.	Efficiency (%)	Pmpp(W)	Umpp(V)	Impp(A)	Uoc(V)	Isc(A)	FF(%)
08	17.80-17.95	4.33	0.531	8.159	0.629	8.681	79.31
07	17.70-17.80	4.30	0.529	8.146	0.628	8.661	79.18
06	17.60-17.70	4.28	0.526	8.137	0.627	8.640	79.05
05	17.50-17.60	4.26	0.524	8.121	0.626	8.625	78.87
04	17.40-17.50	4.23	0.522	8.105	0.625	8.611	78.67
03	17.30-17.40	4.21	0.520	8.095	0.624	8.601	78.42
02	17.20-17.30	4.19	0.518	8.077	0.623	8.571	78.39
01	17.10-17.20	4.16	0.518	8.037	0.621	8.555	78.32

MECHANICAL DATA AND DESIGN

Format	156mm×156mm±0.5mm
Thickness	200±20um
Front (-)	1.4mm bus bars (silver), blue anti-reflecting coating (silicon nitride)
Back (+)	1.8mm wide soldering pads (silver) back surface field (aluminum)

STANDARD TEST CONDITIONS (STC)

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

TEMPERATURE COEFFICENTS

α (Isc)	+0.05%/K
β (Voc)	-0.31%/K
γ (Pmpp)	-0.41%/K

IV CURVE

