



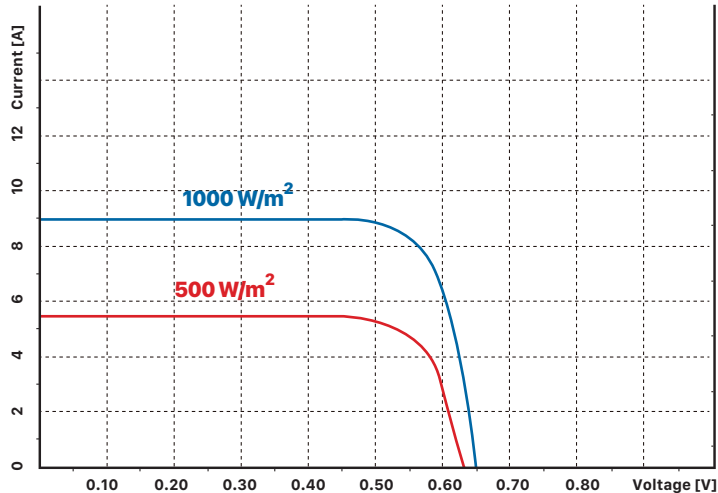
FEATURES

- Color uniformity
- Higher peel strength and higher electricity power output
- Tighter product performance distribution and 0.1% efficiency step reduces the mismatch power loss during module assembly
- The IR-P156-4BB has low temperature coefficient, high shunting resistance and higher cell efficiency
- 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

CURVE



IR - P156 - 4BB

No.	Efficiency (%)	Pmpp (W)	Umpv (V)	Impp (A)	Uoc (V)	Isc (A)	FF (%)
01	18.80-18.90	4.58	0.542	8.448	0.641	8.988	79.46
02	18.70-18.80	4.55	0.541	8.424	0.640	8.964	79.40
03	18.60-18.70	4.53	0.539	8.399	0.638	8.939	79.35
04	18.50-18.60	4.50	0.538	8.375	0.637	8.914	79.30
05	18.40-18.50	4.48	0.536	8.352	0.636	8.891	79.25
06	18.30-18.40	4.46	0.535	8.330	0.634	8.871	79.17
07	18.20-18.30	4.43	0.533	8.310	0.633	8.853	79.06
08	18.10-18.20	4.41	0.531	8.291	0.632	8.836	78.95
09	18.00-18.10	4.38	0.530	8.269	0.630	8.817	78.82

MECHANICAL DATA AND DESIGN

Format	155.75 mm × 155.75 mm ± 0.5 mm
Thickness	200 ± 20 μm
Front (-)	1.1 mm busbars (silver), blue anti-reflecting coating (silicon nitride)
Back (+)	2.4 mm wide soldering pads (silver) back surface field (aluminum)

STANDARD TEST CONDITIONS (STC)

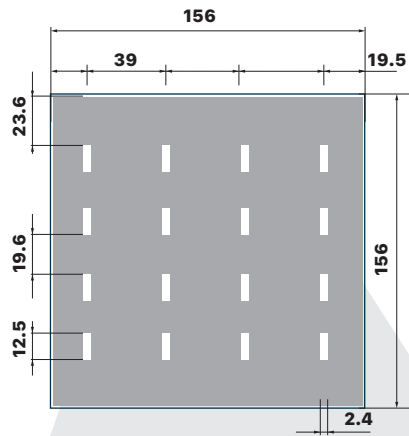
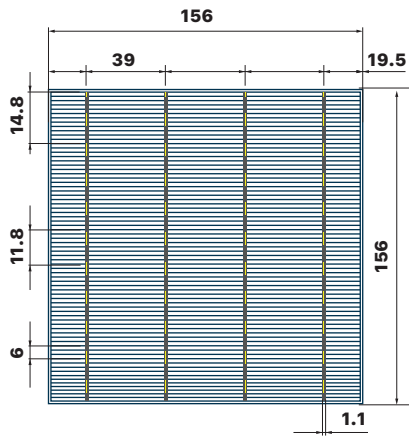
Light intensity	1000 W/m²
Spectrum	AM1.5G
Temperature	25°C

TEMPERATURE COEFFICENTS

α (Isc)	+ 0.04%/K
β (Voc)	- 0.30%/K
γ (Pmpp)	- 0.40%/K

PACKING INFORMATION

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



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