



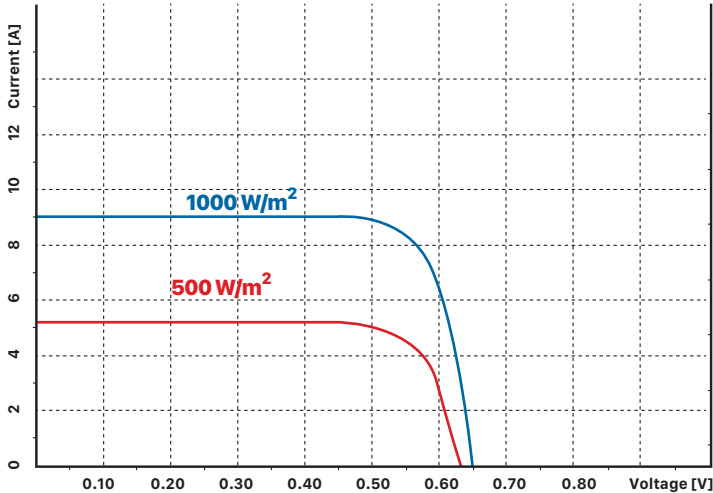
FEATURES

- 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
- Pioneering 3-busbar technology reduces the series resistance, low temperature coefficient, higher 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 - M156 - 3BB

No.	Efficiency (%)	Pmpp (W)	Umpv (V)	Impv (A)	Uoc (V)	Isc (A)	FF (%)
01	19.30-19.40	4.61	0.542	8.502	0.645	9.008	79.38
02	19.20-19.30	4.59	0.540	8.494	0.642	9.005	79.37
03	19.10-19.20	4.57	0.538	8.479	0.640	8.988	79.36
04	19.00-19.10	4.54	0.536	8.467	0.638	8.968	79.36
05	18.90-19.00	4.52	0.536	8.423	0.638	8.953	79.34
06	18.80-18.90	4.49	0.536	8.389	0.638	8.891	79.21
07	18.70-18.80	4.47	0.534	8.365	0.637	8.869	79.11
08	18.60-18.70	4.44	0.533	8.341	0.636	8.841	79.03
09	18.50-18.60	4.42	0.532	8.318	0.636	8.816	78.92

MECHANICAL DATA AND DESIGN

Format	156 mm × 156 mm ± 0.5 mm
Thickness	200 ± 20 μm
Front (-)	1.4 mm busbars (silver), blue anti-reflecting coating (silicon nitride)
Back (+)	2.8 mm wide soldering pads (silver) back surface field (aluminum)

STANDARD TEST CONDITIONS (STC)

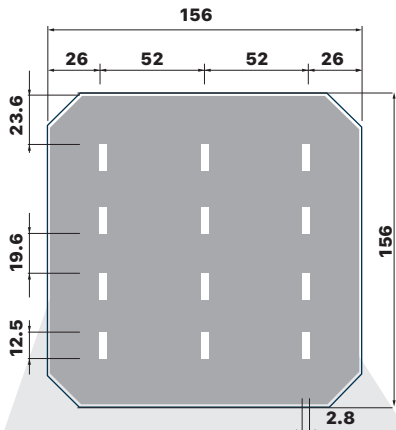
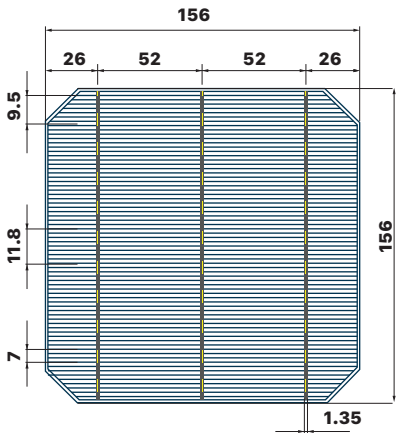
Light intensity	1000 W/m²
Spectrum	AM1.5G
Temperature	25°C

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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