



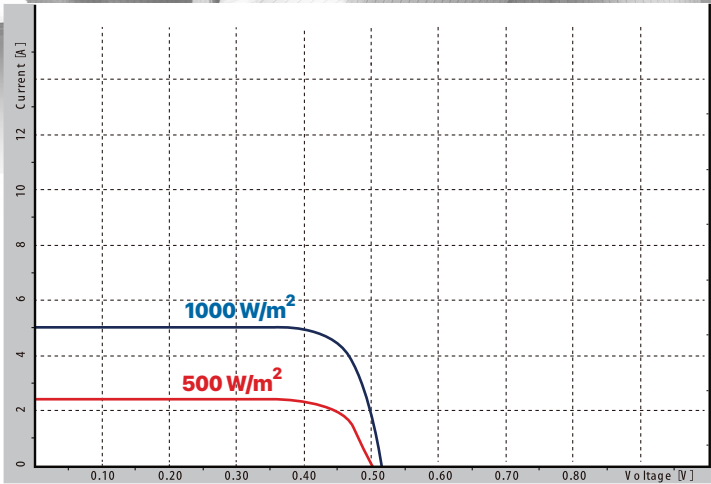
FEATURES

- 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-M125-2BB thinner silicon substrate and lower production
- Excellent PID free performance
- Low reverse leakage current

PRODUCTION AND QUALITY CONTROL

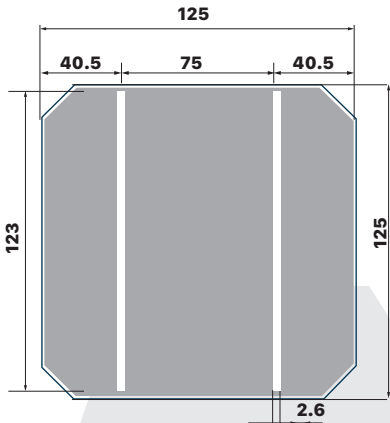
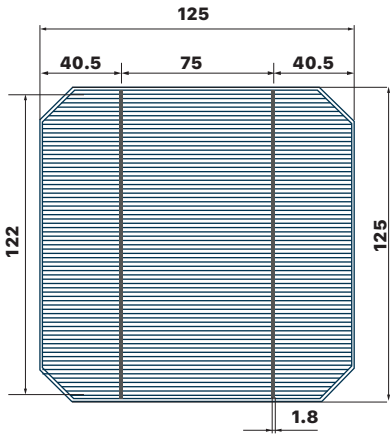
- Standard cells calibrated by Fraunhofer ISE
- LID monitoring
- Peel strength control
- Reverse current screening

CURVE



IR - M125 - 2BB

No.	Efficiency (%)	Pmpp (W)	Umpv (V)	Impv (A)	Uoc (V)	Isc (A)	FF (%)
01	18.80-19.00	2.91	0.537	5.420	0.638	5.809	78.53
02	18.60-18.80	2.88	0.536	5.372	0.637	5.762	78.45
03	18.40-18.60	2.85	0.533	5.344	0.636	5.750	77.89
04	18.20-18.40	2.82	0.528	5.336	0.635	5.740	77.30
05	18.00-18.20	2.79	0.526	5.296	0.634	5.725	76.78
06	17.80-18.00	2.76	0.523	5.269	0.633	5.681	76.63
07	17.60-17.80	2.73	0.518	5.260	0.631	5.651	76.41
08	17.40-17.60	2.70	0.513	5.251	0.630	5.630	75.95
09	17.20-17.40	2.66	0.508	5.242	0.628	5.620	75.44



MECHANICAL DATA AND DESIGN

Format	125 mm × 125 mm ± 0.5 mm
Thickness	180 ± 20µm
Front (-)	1.8 mm busbars (silver), blue anti-reflecting coating (silicon nitride)
Back (+)	2.6 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)	+ 0.031%/K
β (Voc)	- 0.348%/K
γ (Pmpp)	- 0.46%/K

PACKING INFORMATION

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

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