



IR-M158-5BB-PERC

Monocrystalline silicon

SOLAR CELL

MECHANICAL DATA AND DESIGN

Format	158.75 mm x 158.75 mm ± 0.25
Thickness	160 (-10,+20) µm
Front (-)	0.7 mm Busbars (Silver), dark blue/blue, anti-reflecting coating (Silicon nitride)
Back (+)	2.0 mm wide soldering pads (Silver) and Back surface passivated emitter rear contact (PERC)

PACKING INFORMATION

Container	20'GP	40'GP
Pallets/cont	10	20
Pieces/cont	576000	1152000

ELECTRICAL CHARACTERISTICS

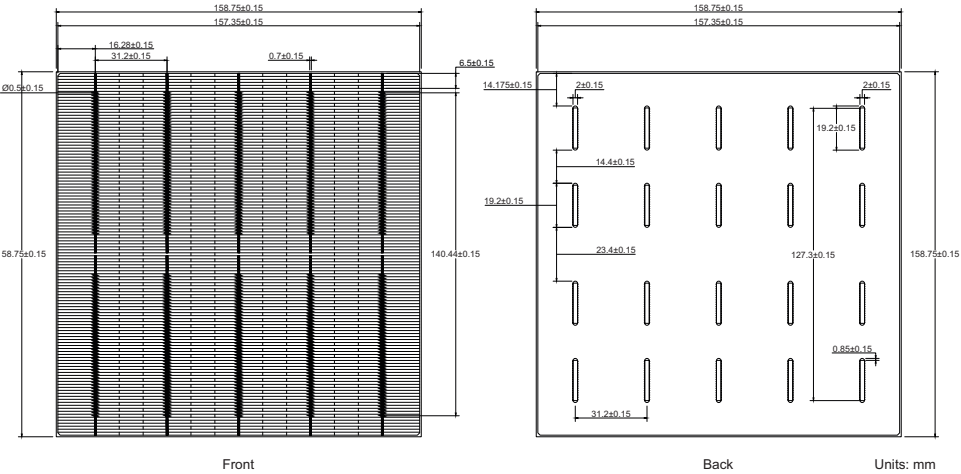
Efficiency	Pmpp (W)	Imp (A)	Vmp (V)	Isc (A)	Voc (V)
22.60%	5.69	9.768	0.583	10.212	0.670
22.50%	5.67	9.749	0.582	10.189	0.670
22.40%	5.64	9.728	0.580	10.173	0.669
22.30%	5.62	9.706	0.579	10.152	0.669
22.20%	5.59	9.681	0.577	10.120	0.668
22.10%	5.57	9.665	0.576	10.098	0.668
22.00%	5.54	9.652	0.574	10.082	0.667
21.90%	5.52	9.634	0.573	10.058	0.667
21.80%	5.49	9.618	0.571	10.031	0.666
21.70%	5.47	9.613	0.569	10.007	0.666

Standard Test Condition (STC)
Light intensity: 1000W/m²
Spectrum: AM1.5
Temperature: 25°C

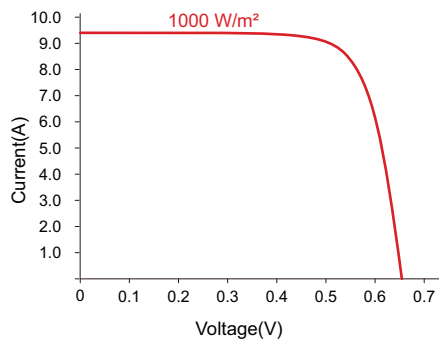
TEMPERATURE COEFFICIENT

α _{Isc}	+0.06 %/°C
β _{Voc}	-0.36 %/°C
γ _{Pmax}	-0.36 %/°C

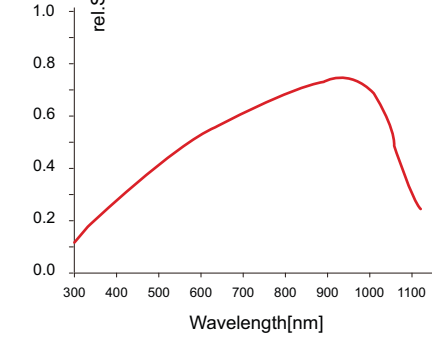
DRAWING



IV CURVE



SPECTRAL RESPONSE



QUALITY ASSURANCE

ID 44 100 21 94 0003

AN: S1410994MA

ISO 14001: 2015
Environmental
Management
System
qms.com.au

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