



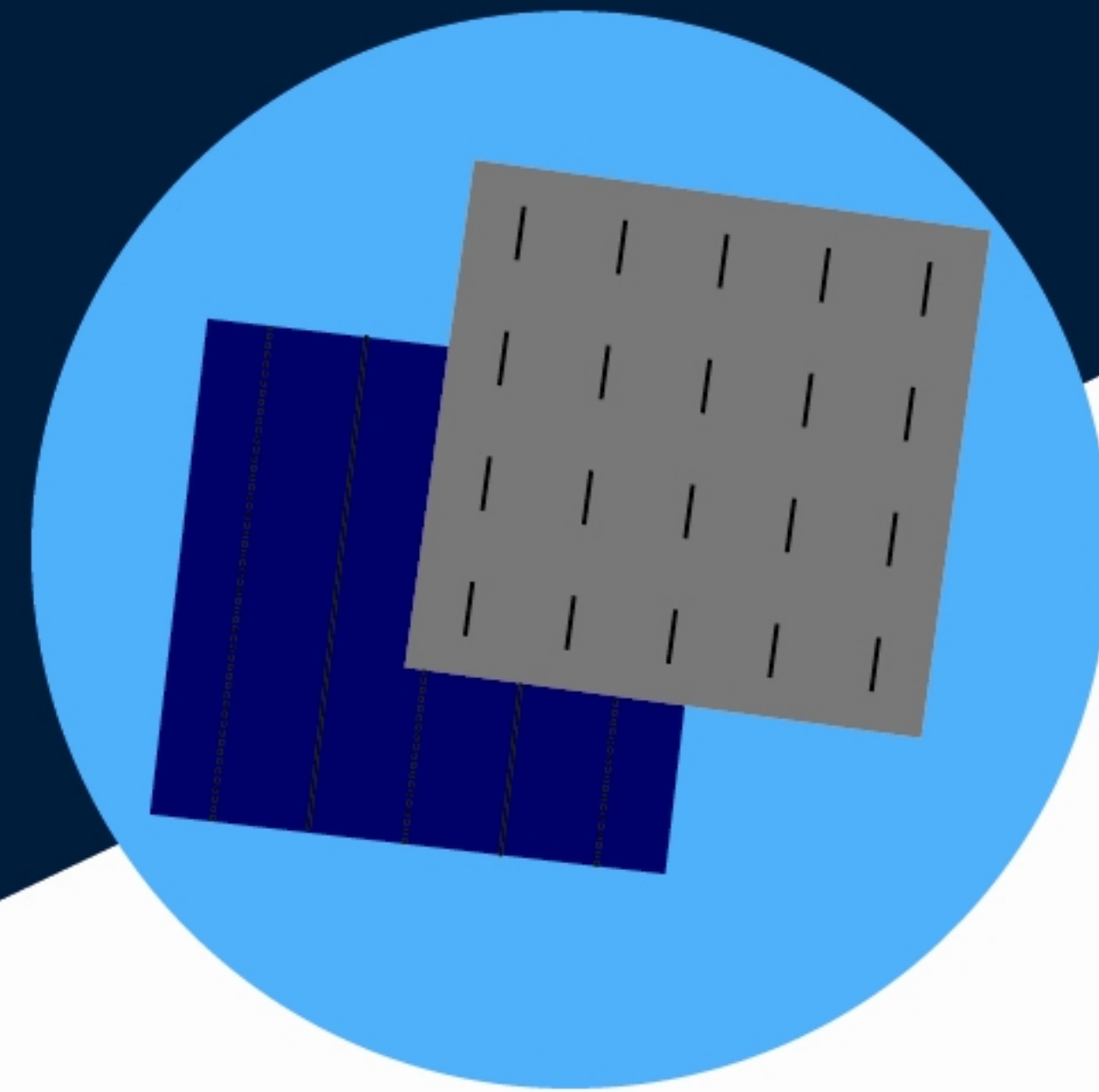
XM P5 5BB

156.75 × 156.75

MECHANICAL DATA & DESIGN

MULTICRYSTALLINE SILICON SOLAR CELLS

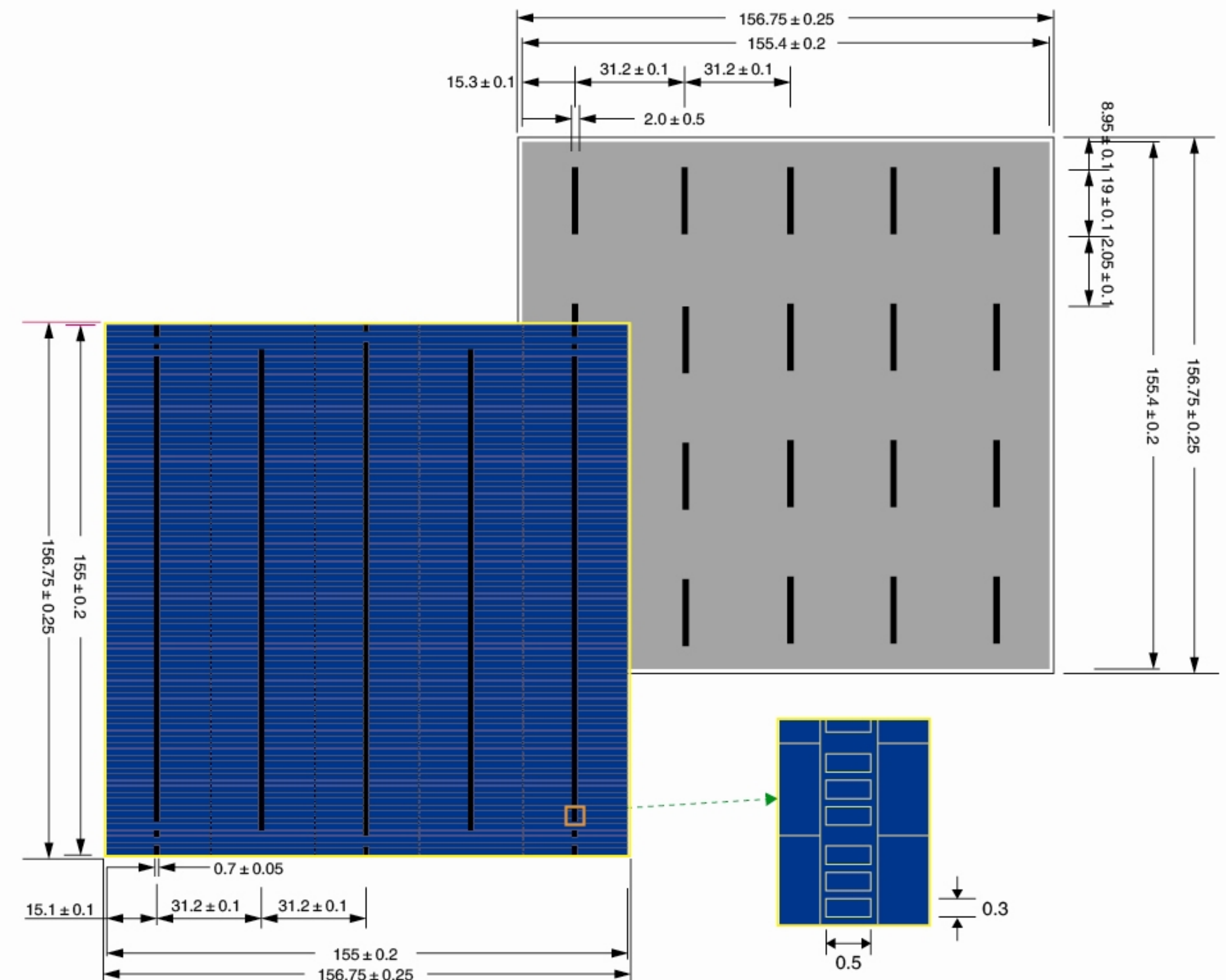
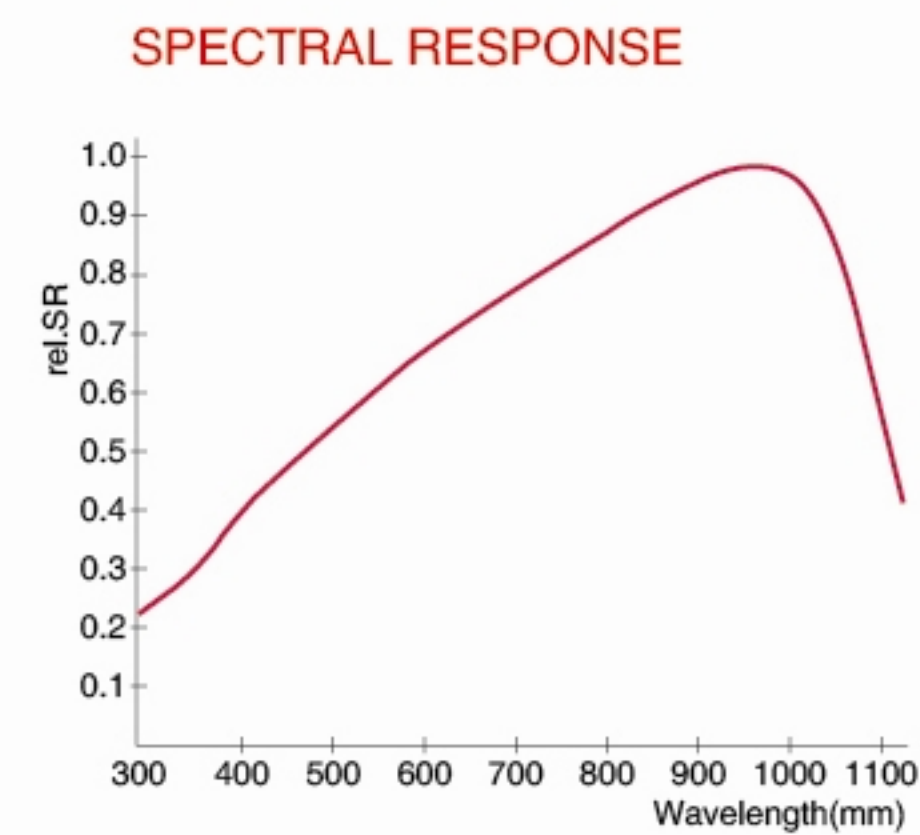
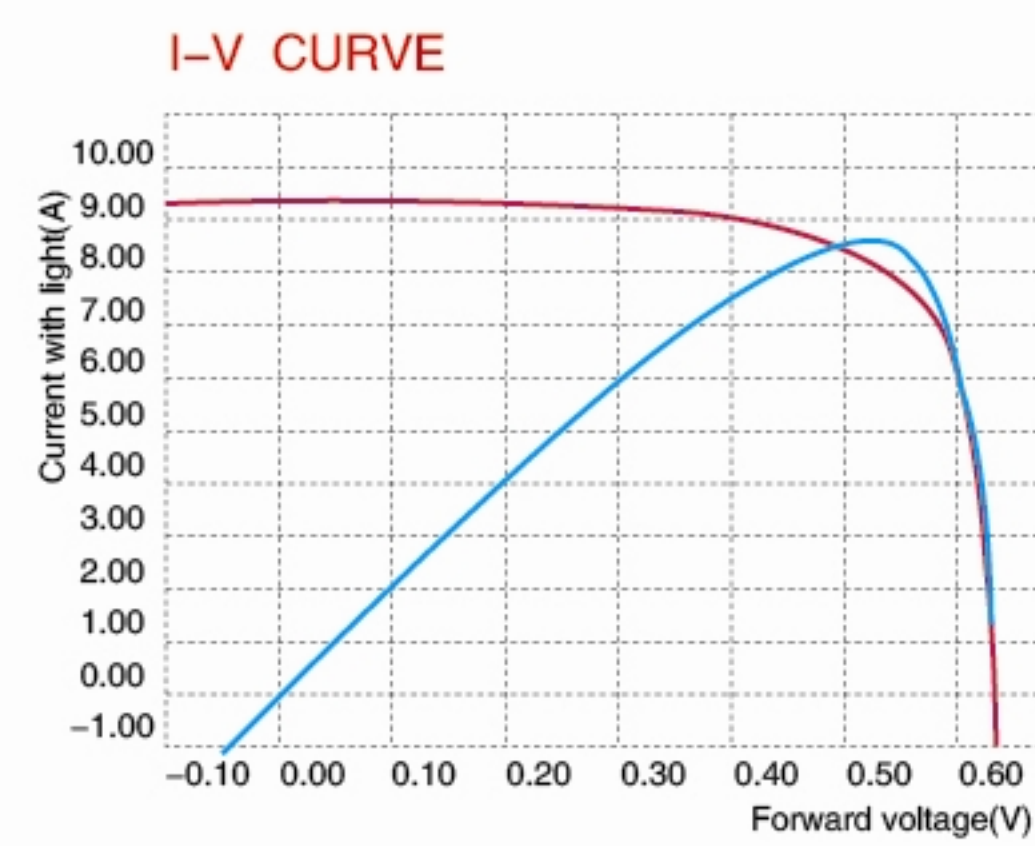
Format: 156.75mm*156.75mm ± 0.25mm



Thickness: 200 μm ± 20 μm

Front(-): Blue silicon nitride AR coating,
0.7mm silver bus bars

Back(+): 2.0mm wide soldering pads(silver)
back surface(aluminum)



XM P5 156.75 × 156.75	Eta(%)	Pmpp(Wp)	Impp(A)	Umpp(V)	Uoc(V)	Isc(A)	FF(%)
A1890	18.9	4.64	8.4381	0.5503	0.6411	8.9401	81.02
A1880	18.8	4.62	8.4331	0.5477	0.6376	8.9382	81.06
A1870	18.7	4.59	8.4172	0.5458	0.6363	8.9133	81.00
A1860	18.6	4.57	8.3858	0.5451	0.6357	8.8963	80.83
A1850	18.5	4.55	8.3707	0.543	0.6337	8.8755	80.81
A1840	18.4	4.52	8.3437	0.5418	0.6345	8.8123	80.85
A1820	18.2	4.47	8.277	0.5404	0.6306	8.7748	80.83
A1800	18.0	4.42	8.2714	0.5348	0.6269	8.7445	80.71
A1780	17.8	4.40	8.2589	0.5325	0.6244	8.7267	80.72
A1750	17.5	4.30	8.2358	0.5221	0.6205	8.6370	80.24
A1700	17.0	4.18	8.1587	0.5121	0.6054	8.6219	80.05

TEMPERATURE COEFFICIENTS

TkVoltage	-0.327%/°C
TkCurrent	+0.055%/°C
TkPower	-0.42%/°C

INTENSITY DEPENDENCE

Intensity [W/m²]	Isc [mA]	Voc [mV]
1000	1.00	1.000
900	0.90	0.989
500	0.50	0.963
300	0.30	0.939
200	0.20	0.920

*Ratio of Voc(Isc) at reduced intensity to Voc(Isc) at 1000W/m²

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