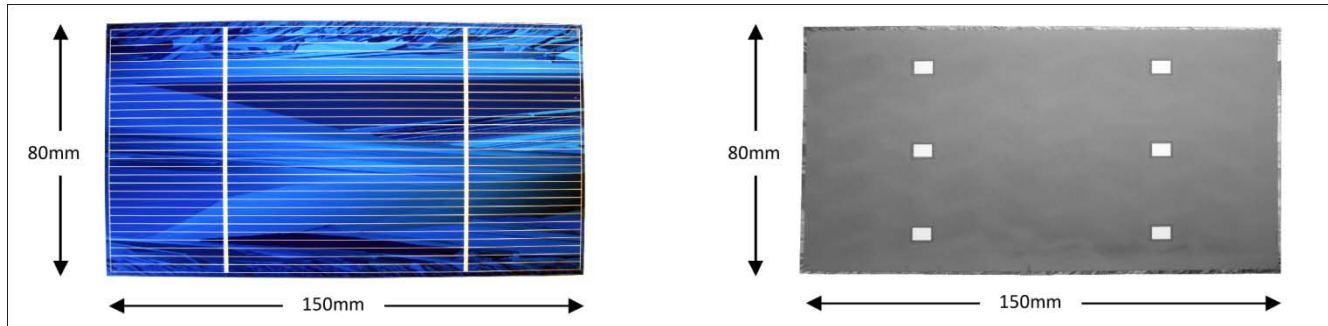


SOLAR CELLS (Polycrystalline)

Model: MLS-P3x6

ML Solar, LLC is committed to providing the highest quality solar cells made using only the highest quality materials. Great solar cells start with the best materials. From wafers to pastes, our team of world class experts understands how to work with materials, and more importantly, how to make materials work better by optimizing processing conditions. There is an art to forming each part of the cell: the front surface texturing; the emitter, the anti-reflection (AR) coating and both front and rear contacts. Our scientists have spent their careers understanding what it takes to extract the maximum performance from the device and deliver superior power from each cell.



Mechanical Data and Design

Format: 88 x 150 mm \pm 0.5 (mm)
 Thickness: 190 μ m \pm 30 μ m
 Front (-): 2mm wide bus bars(silver),
 blue anti-reflecting coating(silicon nitride)
 Back (+): 8mm wide bus bars(silver)
 back surface field(aluminum)

Temperature Coefficients

TkPower: -0.48%/ $^{\circ}$ C
 TkVoltage: -0.35%/ $^{\circ}$ C
 TkCurrent: 0.06%/ $^{\circ}$ C

SPECIFICATIONS			
Models	MLS-P3x6160	MLS-P3x6170	MLS-P3x6180
Efficiency (%)	15.5 – 16.0	16.0 – 16.5	16.5 – 17.0
Pmax (W)	1.6	1.7	1.8
Vmaz (V)	0.51	0.52	0.53
I _{max} (A)	3.14	3.26	3.40
Voc (V)	0.60	0.62	0.63
Isc (A)	3.39	3.52	3.67

All the data of this sheet are subjected to change without notice.

