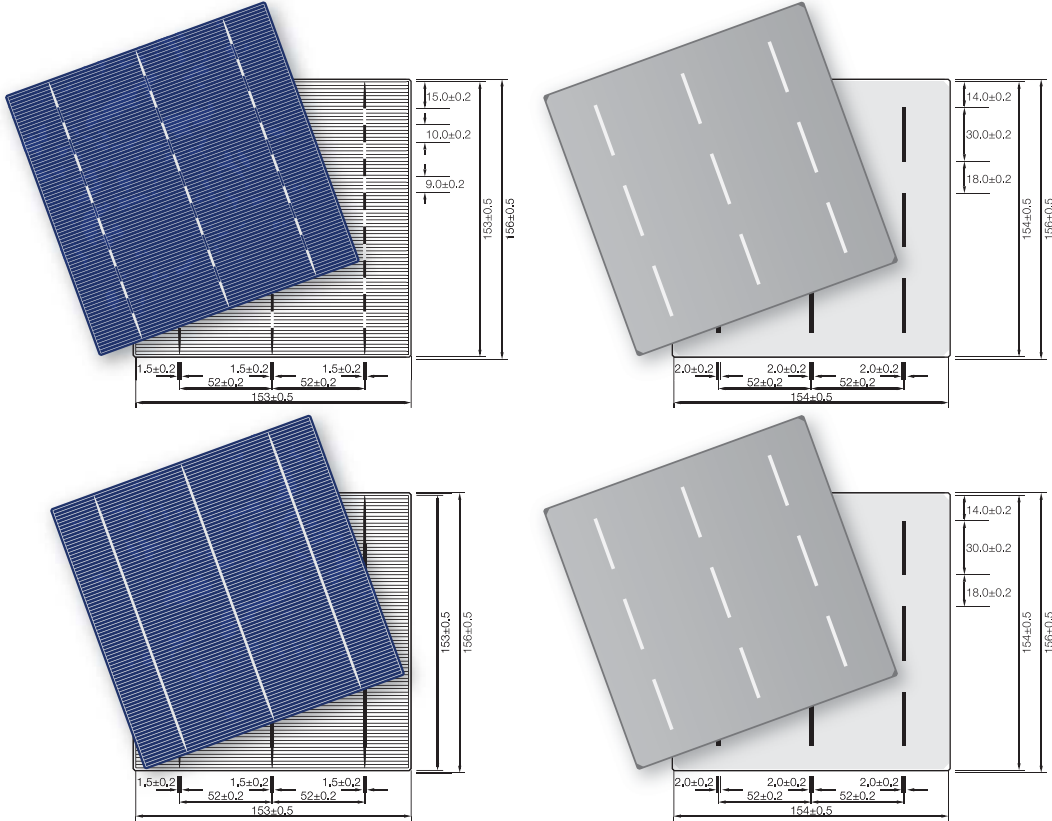


## JAC P6RF 3BB POLYCRYSTALLINE SILICON SOLAR CELLS

JA Solar's Poly Cells.

Manufacturing modules with more than **245W(6x10)** power output becomes easier than ever.



\* For reference only

### MECHANICAL DATA AND DESIGN

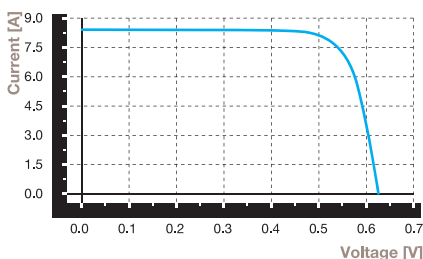
|           |   |
|-----------|---|
| Format    | 156mm×156mm±0.5mm   |
| Thickness | 210μm±30μm  |
| Front(-)  | 1.5mm bus bars(silver), blue anti-reflecting coating(silicon nitride) |
| Back(+)   | 2.0mm wide soldering pads(silver), back surface field(aluminum)       |

### TEMPERATURE COEFFICIENTS

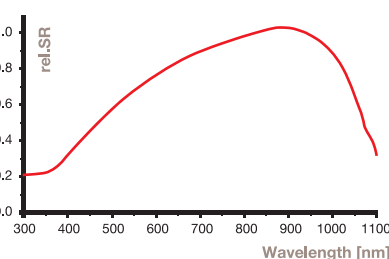
|           |           |
|-----------|-----------|
| TkVoltage | -0.363%/K |
| TkCurrent | +0.071%/K |
| TkPower   | -0.369%/K |

| No. | Efficiency(%) | Pmpp(W) | Umpp(V) | Impp(A) | Uoc(V) | Isc(A) | FF(%) |
|-----|---------------|---------|---------|---------|--------|--------|-------|
| 10  | 17.40-17.60   | 4.24    | 0.531   | 7.985   | 0.631  | 8.485  | 79.29 |
| 09  | 17.20-17.40   | 4.19    | 0.528   | 7.931   | 0.627  | 8.427  | 79.21 |
| 08  | 17.00-17.20   | 4.14    | 0.525   | 7.885   | 0.624  | 8.379  | 79.15 |
| 07  | 16.80-17.00   | 4.09    | 0.522   | 7.837   | 0.622  | 8.336  | 78.95 |
| 06  | 16.60-16.80   | 4.04    | 0.519   | 7.785   | 0.620  | 8.286  | 78.75 |
| 05  | 16.40-16.60   | 3.99    | 0.518   | 7.707   | 0.619  | 8.218  | 78.42 |
| 04  | 16.20-16.40   | 3.94    | 0.516   | 7.638   | 0.619  | 8.161  | 78.03 |
| 03  | 16.00-16.20   | 3.90    | 0.514   | 7.581   | 0.619  | 8.094  | 77.79 |
| 02  | 15.80-16.00   | 3.85    | 0.512   | 7.511   | 0.618  | 8.062  | 77.30 |
| 01  | 15.60-15.80   | 3.80    | 0.511   | 7.437   | 0.617  | 8.050  | 76.50 |

### IV CURVE



### SPECTRAL RESPONSE



### INTENSITY DEPENDENCE

| Intensity [W/m²] | Isc* | Voc*  | Pmpp  |
|------------------|------|-------|-------|
| 1000             | 1.0  | 1.000 | 1.000 |
| 900              | 0.9  | 0.995 | 0.897 |
| 800              | 0.8  | 0.987 | 0.795 |
| 500              | 0.5  | 0.964 | 0.487 |
| 300              | 0.3  | 0.935 | 0.284 |
| 200              | 0.2  | 0.910 | 0.185 |

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