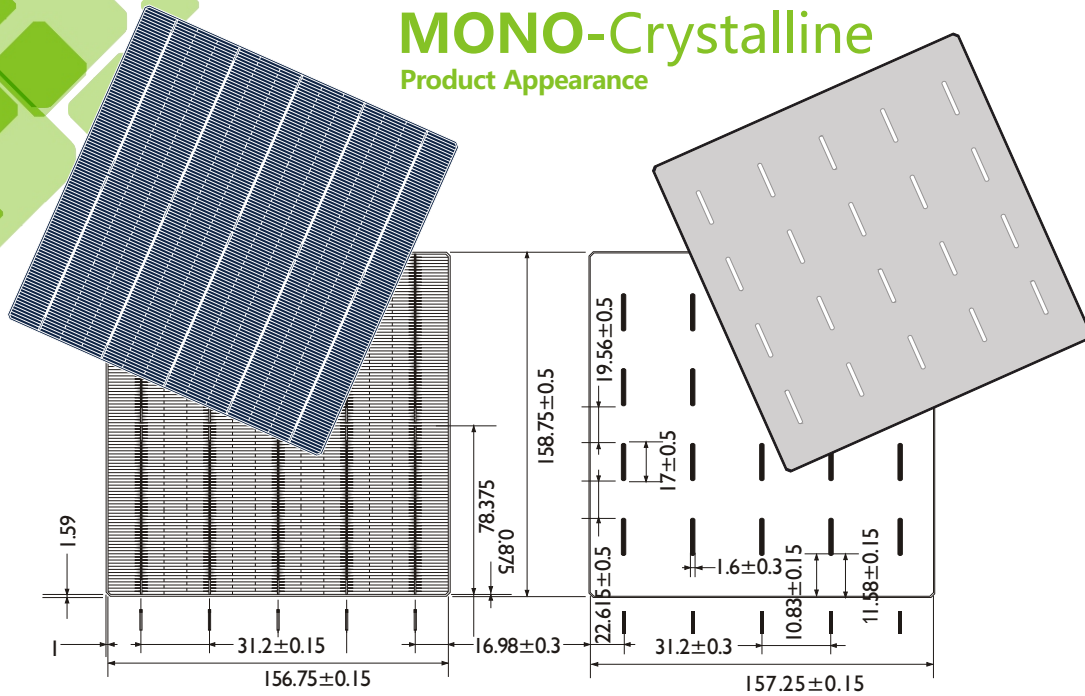


PERC SE Solar Cell

TS158.75M-5BB

MONO-Crystalline

Product Appearance



Technical Data and Design

| | |
|-----------|---|
| Dimension | 158.75mm × 158.75mm±0.25mm |
| Thickness | 175±17.5μm |
| Front | 5 busbars(silver), width 0.7±0.1mm, 116 finger grids, Blue anti-reflecting coating(silicon nitride) |
| Back(+) | width of back electrode(silver) 1.6±0.3mm, Back surface field (aluminum), dotted laser design |

TkVoltage : -0.3 %/°C

TkCurrent : +0.06%/°C

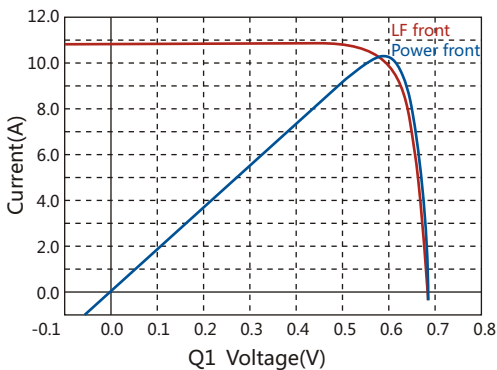
TkPower : -0.39%/°C

Rsh ≥ 35Ω , Irev2 ≤ 0.8A

Electrical Performance Parameters

| Efficiency (%) | Pmpp (W) | Vmpp (V) | Imp (A) | Voc (V) | Isc (A) | FF (%) |
|----------------|----------|----------|---------|---------|---------|--------|
| 22.5 | 5.67 | 0.537 | 9.65 | 0.6213 | 10.298 | 80.99 |
| 22.4 | 5.64 | 0.535 | 9.63 | 0.6209 | 10.255 | 80.95 |
| 22.3 | 5.62 | 0.534 | 9.62 | 0.6203 | 10.231 | 80.93 |
| 22.2 | 5.59 | 0.533 | 9.59 | 0.6215 | 10.162 | 80.89 |
| 22.1 | 5.57 | 0.532 | 9.57 | 0.6210 | 10.137 | 80.86 |
| 22.0 | 5.54 | 0.530 | 9.56 | 0.6198 | 10.116 | 80.83 |
| 21.9 | 5.52 | 0.529 | 9.54 | 0.6195 | 10.079 | 80.79 |
| 21.8 | 5.49 | 0.527 | 9.53 | 0.6171 | 10.073 | 80.70 |
| 21.7 | 5.47 | 0.525 | 9.52 | 0.6167 | 10.056 | 80.61 |
| 21.6 | 5.44 | 0.523 | 9.51 | 0.6154 | 10.051 | 80.45 |
| 21.5 | 5.42 | 0.521 | 9.50 | 0.6145 | 10.036 | 80.30 |

IV Curve



Light Intensity Dependence

| Intensity(W/m2) | Voc | Isc |
|-----------------|-------|-------|
| 1000 | 1.000 | 1.000 |
| 900 | 0.996 | 0.903 |
| 800 | 0.991 | 0.803 |
| 600 | 0.988 | 0.602 |
| 400 | 0.962 | 0.403 |

Take the Voc (Isc) at 1000W/m² as the standard, test the range of Voc (Isc) decrease with light intensity.

STC (Standard Testing Conditions) :
1000W/m², AM1.5, 25°C

Technical parameters above-mentioned subjects to technical changes and tests.

T.S Solar. reserves the right of final interpretation.

Solder Ability

Peel strength Minimum ≥1.4N/mm

Results may be different due to different ribbons,soldering methods and parameters.



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