ERA SOLAR

# E-TDB125

**Monocrystalline Solar Cell**



### High-quality
High quality metal paste for back surface and electrode, ensuring good conductivity, high pulling strength and ease of soldering.

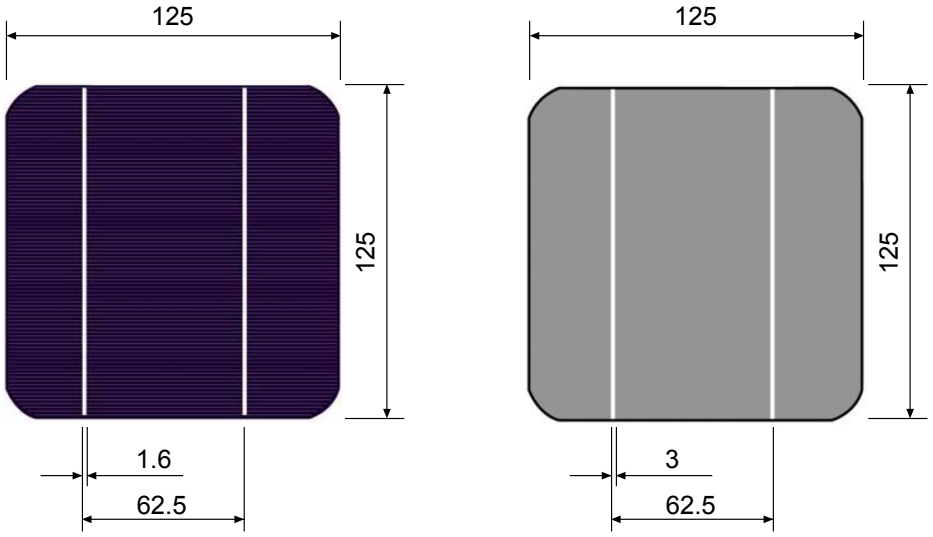
### Reliable
High efficiency and stable performance in photovoltaic conversion.

### Solid
Advanced PECVD film forming, providing a dark blue silicon nitride anti-reflection film of homogenous color and attractive appearance.

# E-TDB125

## Monocrystalline Solar Cell

| SPECIFICATIONS | |
|---|---|
| Dimensions | 125 mm x 125 mm ± 0,5 mm |
| Thickness | 180 µm ± 20 µm |
| Front (-) | 1,6 mm bus bars (silver), blue anti-reflecting coating (silicone nitride) |
| Back (+) | 3 mm wide soldering pads (silver) back surface field (aluminium) |




| TEMPERATURE COEFFICIENTS | |
|---|---|
| Curent | +0.07%/°C |
| Voltage | -0.36%/°C |
| Power | -0.43%/°C |

| E-TPB125 TYPE | | 188 | 186 | 184 | 182 | 180 |
|---|---|---|---|---|---|---|
| Efficiency | Eff (%) | 18.80 | 18.60 | 18.40 | 18.20 | 18.00 |
| Power | Pm (Wp) | 2.91 | 2.88 | 2.85 | 2.82 | 2.79 |
| Max. Power Current | Im (A) | 5.421 | 5.386 | 5.359 | 5.333 | 5.297 |
| Short Circuit Current | Isc (A) | 5.777 | 5.762 | 5.727 | 5.707 | 5.693 |
| Max. Power Voltage | Vm (V) | 0.537 | 0.535 | 0.532 | 0.529 | 0.527 |
| Open Circuit Voltage | Voc (V) | 0.641 | 0.638 | 0.637 | 0.635 | 0.634 |

| E-TPB125 TYPE | | 178 | 176 | 174 | 172 | 170 |
|---|---|---|---|---|---|---|
| Efficiency | Eff (%) | 17.80 | 17.60 | 17.40 | 17.20 | 17.00 |
| Power | Pm (Wp) | 2.76 | 2.73 | 2.70 | 2.66 | 2.63 |
| Max. Power Current | Im (A) | 5.260 | 5.243 | 5.215 | 5.188 | 5.160 |
| Short Circuit Current | Isc (A) | 5.682 | 5.671 | 5.661 | 5.651 | 5.646 |
| Max. Power Voltage | Vm (V) | 0.525 | 0.521 | 0.518 | 0.513 | 0.510 |
| Open Circuit Voltage | Voc (V) | 0.633 | 0.632 | 0.631 | 0.630 | 0.629 |