



MECHANICAL DATA

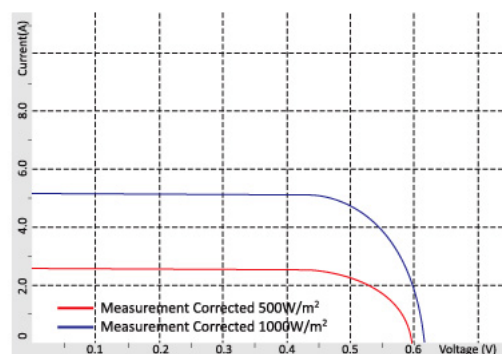
Cell	Monokrystalline 125 × 125 mm(5")
Solar Cells:	96 (8 × 12)
Dimensions:	1575 × 1082 × 45 mm
Weight:	22 kg
Front Glass:	3.2mm Tempered glass
EVA:	EVA
Backsheet:	TPT/TPE
Frame:	Anodized aluminum alloy
Junction Box:	IP-65 rated with 4 bypass diodes
Output Cables:	900 mm / 900 mm (□ 4 mm ²)
Connectors:	MC Plug Typ IV

ELECTRICAL DATA

P _{max} (±3%)	255W
V _{mp}	48.94V
I _{mp}	5.21A
V _{oc}	60.46V
I _{sc}	5.56A
Maximum System Voltage	DC 1000 V (TÜV) DC 600 V (UL)

STC

Measured at Standard Test Conditions (STC): irradiance of 1000W/m², AM 1.5, and cell temperature 25° C



MERKMALE:

1. High-efficient solar cells construction.
2. High reliability with guaranteed $\pm 3\%$ power tolerance (under STC).
3. High transmission tempered 3,2mm glass
4. Anodized aluminum alloy (Silver) on Frame
5. TUV certified
6. Automatic lamination technology.
7. 10 year limited product warranty.
8. 10 year limited power warranty of 90% and 25 year limited power warranty of 80%.



TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature (NOCT)	45 °C \pm 2 °C
Temperature Coefficients Current (Isc)	0.06 \pm 0.01%/K
Temperature Coefficients Voltage (Voc)	-(155 \pm 10)mV/K
Temperature Coefficients Power (P)	-(0.5 \pm 0.05) %/K

TESTED OPERATING CONDITIONS

Temperature:	-40 °C bis +85 °C
Impact Resistance at 80km/h:	Hail 1 in (25 mm)
Max load:	113psf 550 kg/m ² (5400 Pa), front (e.g. snow)
Continuous wind pressure:	130 km/h (36 m/s)

