SUN EARTH®

PV-MODULE 195/200/205 Wp
MONOCRYSTALLINE TDB 125 x 125-72-P

- HIGH PERFORMANCE SILICON MODULES
- CERTIFIED WITH IEC STANDARDS
- 100% INTEGRATED QUALITY CONTROL
  BY SiG SOLAR GMBH
- GERMAN PERFORMANCE AND PRODUCT WARRANTY
- 10 YEARS PRODUCT WARRANTY
- 25 YEARS 80% PERFORMANCE WARRANTY
  10 YEARS 90% PERFORMANCE WARRANTY
- POWER TOLERANCE - 0 W UP TO +5 W
- MODULE EFFICIENCY 16.1% (205 Wp)

Figure may differ
TECHNICAL DATA

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ELECTRICAL DATA (STC)

Max. power (P_{mpp}): 195 W 200 W 205 W
Max. voltage (U_{mpp}): 36.8 V 37.0 V 37.2 V
Max. current (I_{mpp}): 5.30 A 5.41 A 5.51 A
Open circuit voltage (U_{oc}): 45.2 V 46.4 V 45.6 V
Short circuit current (I_{sc}): 5.68 A 5.75 A 5.82 A

ELECTRICAL DATA (NOCT)

Max. power (P_{mpp}): 142.72 W 146.38 W 150.04 W
Max. voltage (U_{mpp}): 33.46 V 33.65 V 33.83 V
Max. current (I_{mpp}): 4.26 A 4.35 A 4.43 A
Open circuit voltage (U_{oc}): 41.85 V 42.04 V 42.22 V
Short circuit current (I_{sc}): 4.60 A 4.65 A 4.71 A

ELECTRICAL DATA (general)

Cell temperature (T_{NOCT}): 46 °C
Module efficiency: 15.3 % 15.7 % 16.1 %
Tolerance of performance: -0 W up to +5 W

- STC-Irradiation: 1,000 W/m²; AM: 1.5; TC: 25 °C
- NOCT-Irradiation: 800 W/m²; TA: 20 °C; wind speed: 1 m/s
- Average reduction of module efficieny at decreasing irradiation from 1,000 W/m² to 200 W/m² (at AM: 1.5 & TC: 25 °C) ≤ 4.5 % - according EN 60904-1

TEMPERATURE COEFFICIENTS

Power: - 0.41 %/°C
Open circuit voltage: - 0.31 %/°C
Short circuit current: 0.045 %/°C

GENERAL CHARACTERISTICS

Composition: 72 (125 x 125 mm)
monocrystalline silicon solar cells per module;
3 bypass-diodes;
capsulant EVA;
rear cover TPT
Glass: highly transparent,
anti-reflective solar safety glass;
3.2 mm
Frame: anodized aluminum
Junction box: plastic; IP65;
Cable: 4 mm², 900 mm
Connectors: MC-T4-compatible

CERTIFICATES/STANDARDS

Standards: IEC 61215; IEC 61730; ISO 9001; ISO 14001
Conformity: Datasheet according to DIN EN 50380

LIMITS

Max. system voltage (IEC): 1,000 VDC
Max. reverse-current I_{R}: 10 A
Operating temperature (environment): - 40 °C up to + 85 °C
Max. hail resistance: 25 mm at 23 m/s
Max. wind resistance: 2,400 Pa
Max. snow load (front): 5,400 Pa
Application class: A
Fire resistance class: C
Safety class: II

MECHANICAL DATA

Height: 1,580 mm
Width: 808 mm
Thickness: 40 mm
Weight: 15 kg

For installation details and further usage of the modules please note the installation and operating manual or consult the technical service.

Errors and omissions excepted.
To be considered: general terms and conditions as well as product and performance warranties of SiG Solar GmbH • EN_mono_5_72_2014_03_V1_195_200_205