

SHARP

ND-RC250|250 W
ND-RC255|255 W
ND-RC260|260 W
Polycrystalline silicon photovoltaic modules



250/255/260W
The reliable solution



For your independence

Take advantage of solar panels + battery solutions for maximum independence



50 years of solar expertise



Guaranteed positive power tolerance (0/+5 %)



Made in Germany



Top PV brand award



Proven Quality

VDE (IEC/EN 61215, IEC/EN61730)
Safety Class II / CE
MCS accredited product
ISO 9001 / ISO 14001



Polycrystalline technology



Product guarantee*



Linear performance guarantee*



up to 15.8 % module efficiency



Robust product design

* In order to validate the guarantee, the modules have to be registered under www.brandaddedvalue.net within a period of 12 weeks after delivery.

Electrical data (at STC)

| | | ND-RC260 | ND-RC255 | ND-RC250 | |
|-----------------------------------|-----------|----------|----------|----------|-------|
| Maximum power | P_{max} | 260 | 255 | 250 | W_p |
| Open-circuit voltage | U_{oc} | 37.7 | 37.6 | 37.5 | V |
| Short-circuit current | I_{sc} | 9.01 | 8.88 | 8.76 | A |
| Voltage at point of maximum power | U_{mpp} | 30.5 | 30.4 | 30.3 | V |
| Current at point of maximum power | I_{mpp} | 8.51 | 8.38 | 8.24 | A |
| Module efficiency | η_m | 15.8 | 15.5 | 15.2 | % |

STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.
 Rated electrical characteristics are within ±10 % of the indicated values of I_{sc} , U_{oc} , and 0 to +5 % of P_{max} (power measurement tolerance ±3 %).

Electrical data (at NOCT)

| | | ND-RC260 | ND-RC255 | ND-RC250 | |
|-----------------------------------|-----------|----------|----------|----------|-------|
| Maximum power | P_{max} | 190 | 187 | 183 | W_p |
| Open-circuit voltage | U_{oc} | 34.6 | 34.6 | 34.5 | V |
| Short-circuit current | I_{sc} | 7.33 | 7.22 | 7.12 | A |
| Voltage at point of maximum power | U_{mpp} | 27.6 | 27.5 | 27.4 | V |
| Module efficiency | η_m | 14.5 | 14.2 | 13.9 | % |

NOCT: Module operating temperature at 800 W/m² irradiance, air temperature of 20 °C, AM 1.5, wind speed of 1 m/s. NOCT: 47°C

Limit values

| | |
|-------------------------|--------------|
| Maximum system voltage | 1,000 V |
| Over-current protection | 15 A |
| Temperature range | -40 to 85° C |
| Maximum mechanical load | 2,400 Pa |

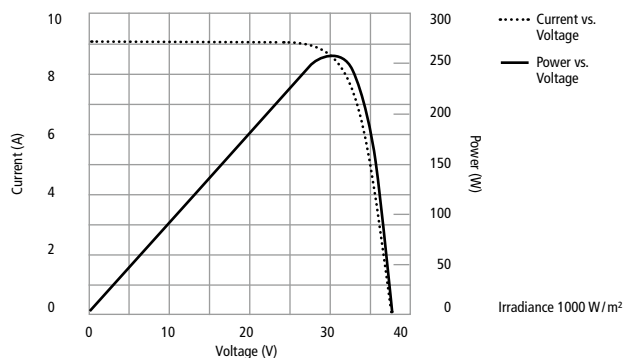
Mechanical data

| | |
|--------|----------|
| Length | 1,660 mm |
| Width | 990 mm |
| Depth | 50 mm |
| Weight | 20 kg |

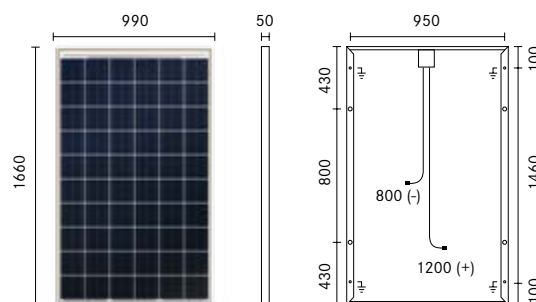
Temperature coefficient

| | |
|-----------|-------------|
| P_{max} | -0.42 % /°C |
| U_{oc} | -0.31 % /°C |
| I_{sc} | 0.05 % /°C |

Characteristic curves ND-RC260



Dimensions



General data

| | |
|----------------|--|
| Cells | polycrystalline, 156.5 mm × 156.5 mm, 60 cells in series |
| Front glass | low iron tempered glass, 3 mm |
| Frame | anodized aluminium alloy, silver |
| Connection box | PPE/PPO resin, IP65 Rating, 109 x 110 x 13.7 mm, 3 bypass diodes |
| Cable | CE cable, length 1,200 mm(+), 800 mm (-) |
| Connector | MC4 |

Packaging data

| | |
|------------------------------|------------------------|
| Modules per palette | 22 pcs |
| Palette size (L × W × H) | 1.2 m × 1.0 m × 1.85 m |
| Palette weight | approx. 490 kg |
| Modules packed in one carton | 22 pcs |



www.sharp.eu

SHARP

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