

SHARP

ND-RG250 | 250 W
ND-RG255 | 255 W
Polycrystalline silicon photovoltaic modules

250/255 W

The advanced
bestseller



For your independence

Take advantage of solar panels + battery solutions
for maximum independence



50 years of solar expertise



Proven Quality

TÜV Süd, IEC/EN 61215, IEC/EN 61730
Safety Class II / CE
MCS accredited product
ISO 9001 / ISO 14001



Top PV brand award



Guaranteed positive
power tolerance
(0/+5 Wp)



Polycrystalline
technology



Up to 15.7 %
module efficiency

10
YEARS

Product guarantee

25
YEARS

Linear performance
guarantee



Robust product design

Electrical data (at STC)				
		ND-RG250	ND-RG255	
Maximum power	P_{max}	250	255	W_p
Open-circuit voltage	U_{oc}	37.5	37.9	V
Short-circuit current	I_{sc}	8.88	8.95	A
Voltage at point of maximum power	U_{mpp}	30	30.2	V
Current at point of maximum power	I_{mpp}	8.35	8.45	A
Module efficiency	η_m	15.4	15.7	%

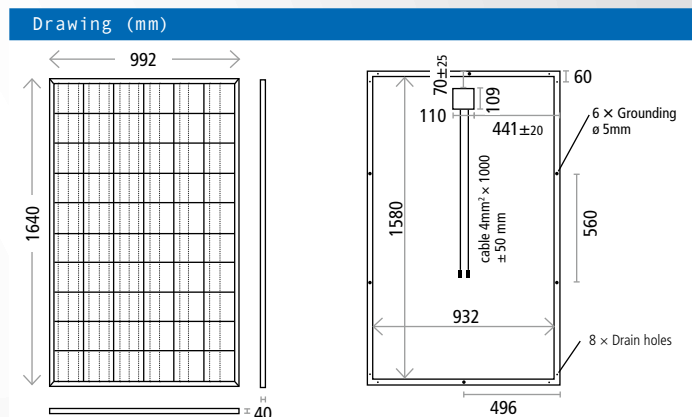
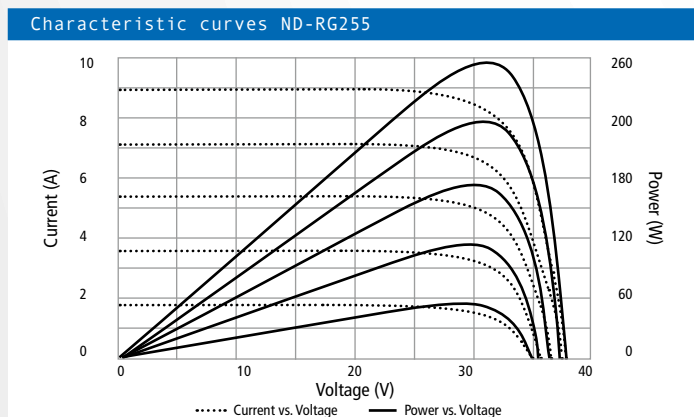
STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.

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-RG250	ND-RG255	
Maximum power	P_{max}	183	186	W_p
Open-circuit voltage	U_{oc}	35	35.3	V
Short-circuit current	I_{sc}	7.2	7.24	A
Voltage at point of maximum power	U_{mpp}	27.5	27.7	V
Nominal Operating Cell Temperature	NOCT	46 ± 2	46 ± 2	°C

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

Limit values		Mechanical data		Temperature coefficient	
Maximum system voltage	1,000 V	Length	1,640 mm (+/- 3.0mm)	P_{max}	- 0.43 %/°C
Over-current protection	15 A	Width	992 mm (+/- 2.0mm)	U_{oc}	- 0.33 %/°C
Temperature range	-40 to +85° C	Depth	40 mm (+/- 0.8mm)	I_{sc}	0.06 %/°C
Maximum mechanical load	2,400 N/m ²	Weight	18.5 kg		



General data		Packaging data	
Cells	polycrystalline, 156.5 mm × 156.5 mm, 60 cells in series	Modules per palette	26 pcs
Front glass	low iron tempered glass, 3 mm	Palette size (length × width × height)	1,690 × 1,140 × 1,164 mm
Frame	anodized aluminium alloy, silver	Palette weight	532 kg
Connection box	PPE/PPO resin, IP65 Rating, 109 × 110 × 13.7 mm, 3 bypass diodes	Modules packed in one carton	13 pcs
Cable	CE cable 4.0 mm ² , length 1,000 mm		
Connector	SMK (MC4 compatible), Type CCT9901-2361F/2451F (Catalogue no. P51-7H/R51-7), IP67 rating To extend the module connection leads, only use SMK connector from the same series or MultiContactAG MC4 connector (PV-KST04/PV-KBT04)		

 **Empower yourself**

www.sharp.eu

SHARP

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