

SHARP

ND-RC250 | 250 W
ND-RC255 | 255 W
ND-RC260 | 260 W

The reliable solution (RC)
250/255/260 W
Poly



For your independence

Take advantage of solar panels + battery solutions for maximum independence



55 years of solar expertise



Guaranteed positive power tolerance (0/+5 %)



Made in Germany



Proven Quality

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



Polycrystalline silicon photovoltaic modules



Top PV brand award



Product guarantee



Linear power output guarantee



Robust product design (PID resistance)

Electrical data (STC)					
		ND-RC260	ND-RC255	ND-RC250	
Maximum power	P_{max}	260	255	250	W_p
Open-circuit voltage	V_{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	V_{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.

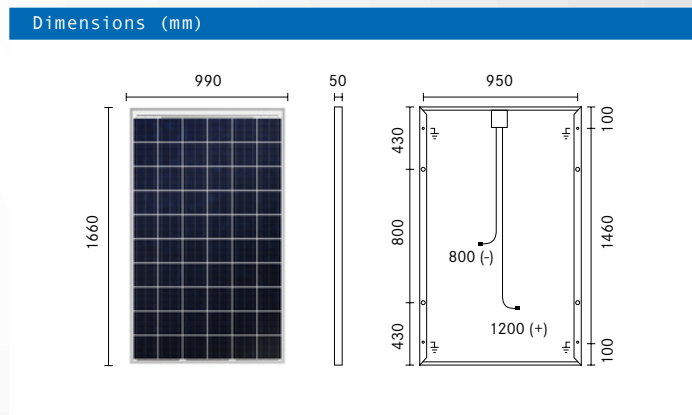
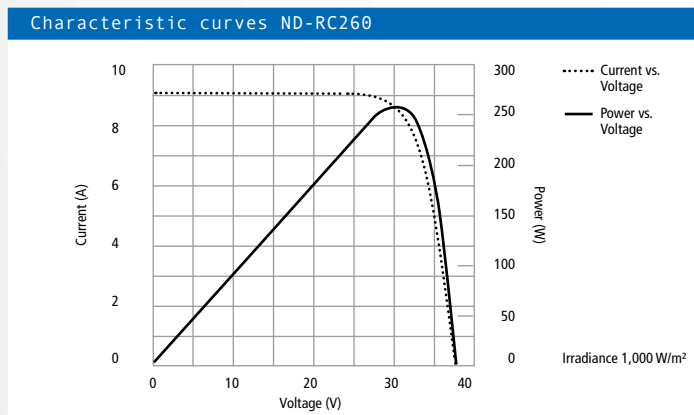
Rated electrical characteristics are within ±10 % of the indicated values of I_{sc} , V_{oc} , and 0 to +5 % of P_{max} (power measurement tolerance ±3 %).

Reduction of efficiency from an irradiance of 1,000 W/m² to 200 W/m² ($T_{module} = 25\text{ °C}$) is less than 1 %.

Electrical data (NOCT)					
		ND-RC260	ND-RC255	ND-RC250	
Maximum power	P_{max}	190	187	183	W_p
Open-circuit voltage	V_{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	V_{mpp}	27.6	27.5	27.4	V
Module efficiency	η_m	14.5	14.2	13.9	%

Electrical values measured under nominal operating conditions of cells : 800 W/m² irradiance, air temperature of 20 °C, wind speed of 1 m/s. NOCT : 47 °C (nominal operating cell temperature).

Limit values		Mechanical data		Temperature coefficient	
Maximum system voltage	1,000 V	Length	1,660 mm	P_{max}	-0.42 % / °C
Over-current protection	15 A	Width	990 mm	V_{oc}	-0.31 % / °C
Temperature range	-40 to 85 °C	Depth	50 mm	I_{sc}	0.05 % / °C
Max. mechanical load (snow/wind)	2,400 Pa	Weight	20 kg		
Tested snow load (IEC61215 test pass*)	5,400 Pa	*Please refer to Sharp's installation manual for details.			



General data		Packaging data	
Cells	polycrystalline, 156.5 mm × 156.5 mm, 60 cells in series	Modules per pallet	22 pcs
Front glass	low iron tempered glass, 3 mm	Pallet size (L × W × H)	1.2 m × 1.0 m × 1.85 m
Frame	anodized aluminium alloy, silver	Pallet weight	approx. 477 kg
Connection box	PPE/PPO resin, IP67 Rating, 148 x 123 x 27 mm, 3 bypass diodes	Modules packed in one carton	22 pcs
Cable	CE cable, length 1,200 mm (+), 800 mm (-)		
Connector	MC4		

 Empower yourself

www.sharp.eu

SHARP

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