

# 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



10 YEARS Product guarantee



25 YEARS 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	$\eta_m$	15.8	15.5	15.2	%

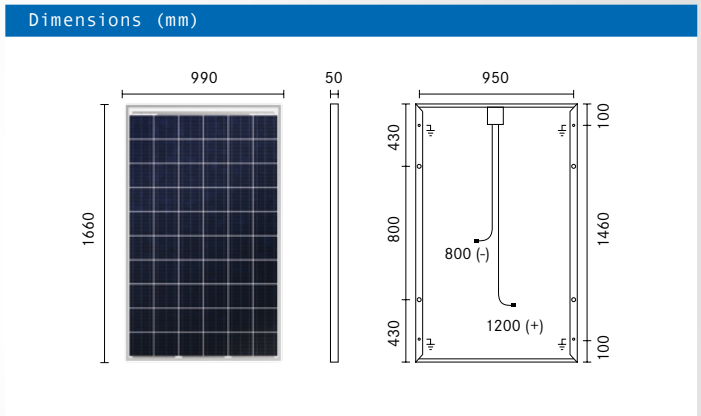
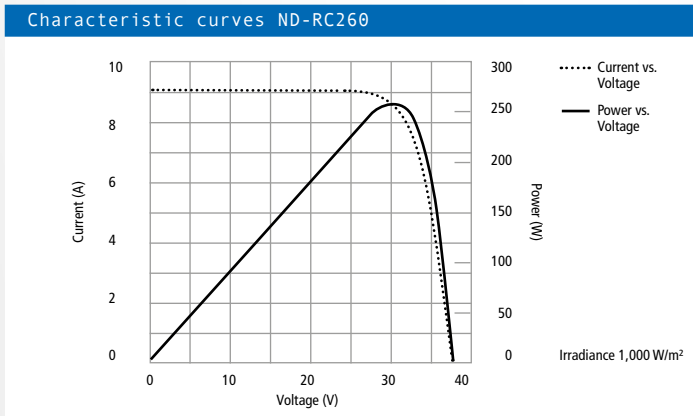
STC = Standard Test Conditions: irradiance 1,000 W/m<sup>2</sup>, AM 1.5, cell temperature 25 °C.  
 Rated electrical characteristics are within ±10 % of the indicated values of  $I_{sc}$ ,  $V_{oc}$ , and 0 to +5 % of  $P_{max}$  (power measurement tolerance ±3 %).  
 Reduction of efficiency from an irradiance of 1,000 W/m<sup>2</sup> to 200 W/m<sup>2</sup> ( $T_{module} = 25 °C$ ) 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	$\eta_m$	14.5	14.2	13.9	%

Electrical values measured under nominal operating conditions of cells : 800 W/m<sup>2</sup> 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	
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, IP67 Rating, 148 x 123 x 27 mm, 3 bypass diodes
Cable	CE cable, length 1,200 mm (+), 800 mm (-)
Connector	MC4

Packaging data	
Modules per pallet	22 pcs
Pallet size (L × W × H)	1.2 m × 1.0 m × 1.85 m
Pallet weight	approx. 477 kg
Modules packed in one carton	22 pcs

Empower yourself

[www.sharp.eu](http://www.sharp.eu)

**SHARP**

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Note: Technical data is subject to change without prior notice. Before using Sharp products, please request the latest data sheets from Sharp. Sharp accepts no responsibility for damage to devices which have been equipped with Sharp products on the basis of unverified information. The specifications may deviate slightly and are not guaranteed. Installation and operating instructions are to be found in the corresponding handbooks, or can be downloaded from [www.sharp.eu/solar](http://www.sharp.eu/solar). This module should not be directly connected to a load.