ROVON POWER / SOLAR MODULE

Rove N1

RN1 66BD

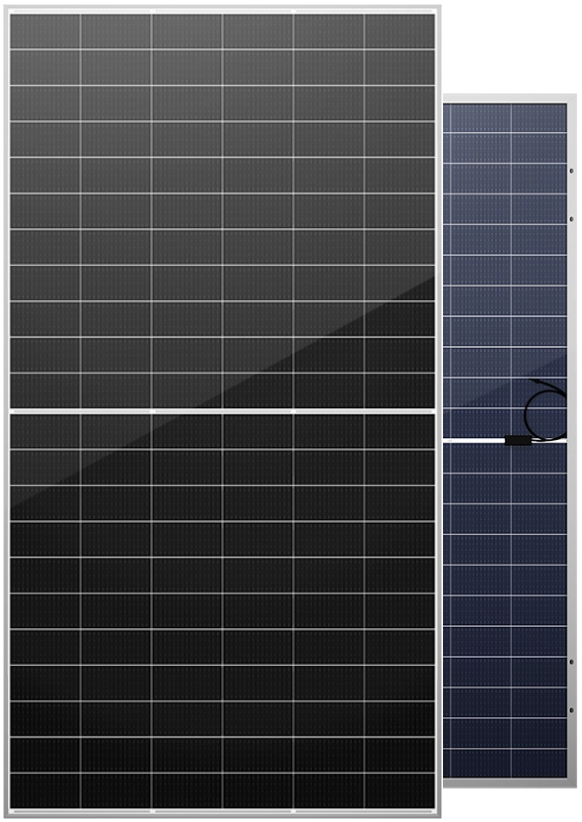
700-725W

N-Type TOPCon Bifacial
Dual Glass Solar Module

23.30%
MAX. MODULE EFFICIENCY

132
HALF-CELLS

Dual glass construction
1500 V DC maximum system voltage



FRONT REAR

Product performance

- **N-Type TOPCon technology**

  Tunnel oxide passivated contacts help reduce recombination losses and support high cell efficiency and module power.

- **Low temperature coefficient**

  -0.24%/°C Pmax coefficient supports stable output in hot climates.

- **SMBB and half-cut technology**

  Shorter current paths help reduce resistive loss and improve cell efficiency.

- **Up to 90% bifaciality**

  Symmetrical bifacial cells support additional rear-side energy generation.

- **PIB-based sealing**

  Improved water resistance and air impermeability help extend module life.

Quality & Certification

PRODUCT TEST STANDARDS

IEC 61215 / 61730 · IEC 62804 (PID)
IEC 61701 (salt) · IEC 62716 (ammonia)
IEC 60068-2-68 (sand) · IEC TS 63342 (LeTID)

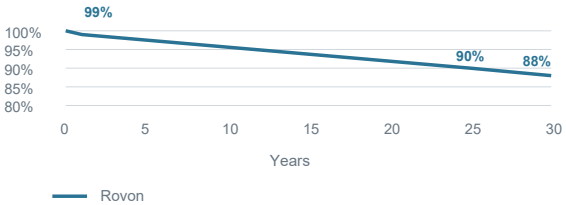
MANAGEMENT SYSTEM STANDARDS

ISO 9001:2015 · ISO 14001:2015
ISO 45001:2018 · ISO 50001:2011

Warranty

25 YEARS
Materials

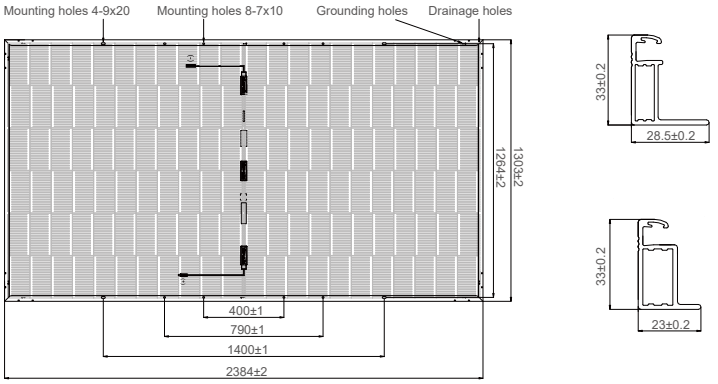
30 YEARS
Power output



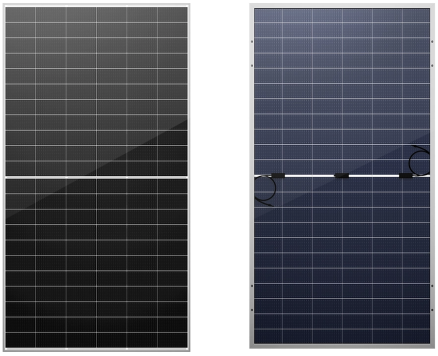
ROVE N1 / RN1 66BD 700-725W

Technical specifications

Drawings



Front / Rear



Mechanical characteristics

PARAMETER	VALUE
Solar cells	TOPCon Mono, 210 × 105 mm
No. of cells	132 (6 × 22)
Dimensions	2384 × 1303 × 33 mm
Weight	37.5 kg
Front glass	High transmission, AR coated, heat-strengthened glass
Back glass	Heat-strengthened glass
Encapsulant	POE / EVA
Frame	Anodized aluminium alloy
Junction box	IP68; 1500 V DC; 3 bypass diodes
Output cables	4 mm²; positive +350 mm; negative -230 mm; length customizable
Connectors	MC4 original / MC4 compatible

Operating characteristics

PARAMETER	VALUE
Module temperature	-40°C to +85°C
Max. system voltage	1500 V DC (IEC)
Max. series fuse	35 A
Power tolerance	0 to +5 W
Bifaciality	85% ±10%
Packaging	33 pcs / box 594 pcs / 40'HQ

Electrical parameters / STC

POWER CLASS	700	705	710	715	720	725
Pmax (W)	700	705	710	715	720	725
Vmpp (V)	41.78	41.86	41.93	42.00	42.08	42.14
Impp (A)	16.77	16.86	16.95	17.05	17.13	17.23
Voc (V)	49.83	49.92	50.01	50.09	50.18	50.26
Isc (A)	17.82	17.91	18.00	18.10	18.19	18.29
Efficiency (%)	22.5	22.7	22.9	23.0	23.2	23.3

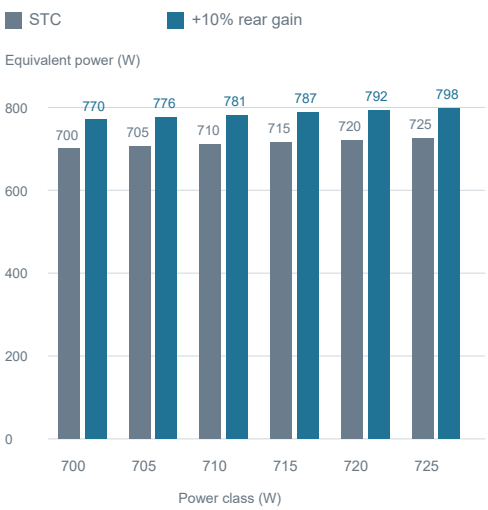
Temperature characteristics

PARAMETER	VALUE
NOCT	43 ±2°C
Pmax coefficient	-0.24%/°C
Voc coefficient	-0.22%/°C
Isc coefficient	+0.047%/°C

Electrical parameters / NOCT

POWER CLASS	700	705	710	715	720	725
Pmax (W)	534.5	538.5	542.3	546.2	550.1	553.9
Vmpp (V)	39.07	39.14	39.21	39.27	39.34	39.40
Impp (A)	13.68	13.76	13.83	13.91	13.98	14.06
Voc (V)	46.69	46.78	46.86	46.93	47.02	47.09
Isc (A)	14.61	14.68	14.76	14.84	14.92	15.00

Backside power gain



Electrical parameters / +10% rear

POWER CLASS	700	705	710	715	720	725
Pmax (W)	770	776	781	787	792	798
Vmpp (V)	41.78	41.86	41.93	42.00	42.08	42.14
Impp (A)	18.44	18.55	18.65	18.76	18.85	18.95
Voc (V)	49.83	49.92	50.01	50.09	50.18	50.26
Isc (A)	19.60	19.70	19.80	19.91	20.01	20.12

1. STC: AM 1.5, 1000 W/m², 25°C. NOCT: AM 1.5, 800 W/m², 20°C, wind speed 1 m/s.
2. Rear-gain values refer to 10% rear-side power gain. Measuring tolerance: ±3%.