ROVON POWER / SOLAR MODULE

Rove H1

RH1 66BD

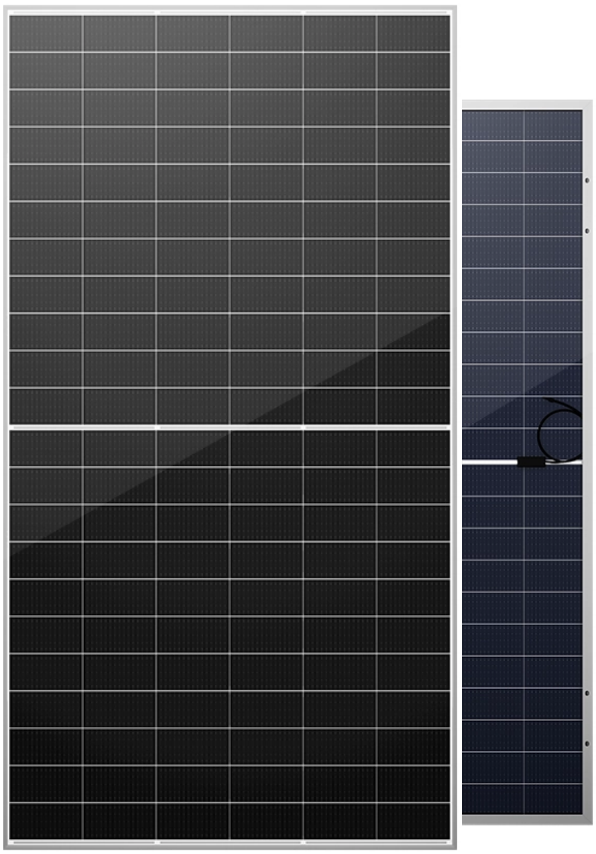
730-750W

N-Type HJT Bifacial 0BB
Dual Glass Solar Module

24.10%
MAX. MODULE EFFICIENCY

132
HALF-CELLS

2.0 mm front glass / 2.0 mm rear glass
1500 V DC maximum system voltage



FRONT REAR

Product performance

- **0BB technology**

  Shorter current paths reduce resistive loss and support higher cell efficiency and a refined module appearance.

- **HJT technology**

  Gettering and microcrystalline silicon support higher cell efficiency.

- **Up to 95% bifaciality**

  Symmetrical bifacial cells support additional rear-side energy generation.

- **Sealing with PIB**

  Integrated coating frames; IEC salt-mist test level 8.

- **Utility-scale applications**

  Designed to help reduce balance-of-system costs and LCOE.

Quality & Certification

PRODUCT TEST STANDARDS

IEC 61215 / IEC 61730

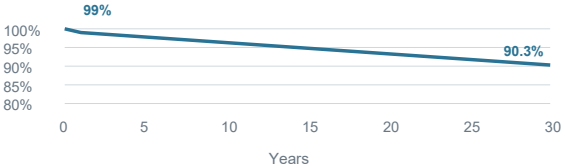
MANAGEMENT SYSTEM STANDARDS

ISO 9001:2015 · ISO 14001:2015
ISO 45001:2018
IEC 62941:2019

Warranty

15 YEARS
Product

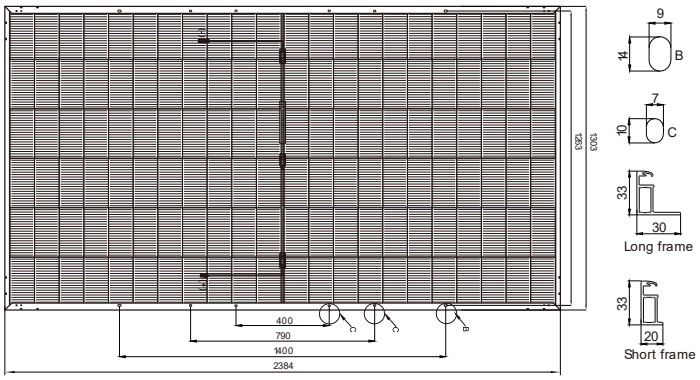
30 YEARS
Power output



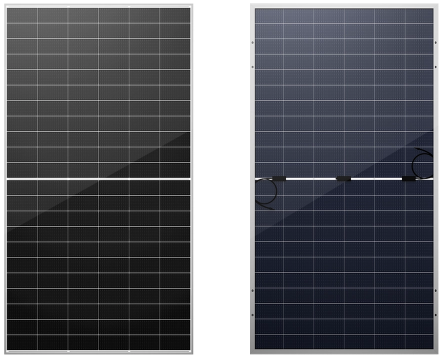
ROVE H1 / RH1 66BD 730-750W

Technical specifications

Drawings



Front / Rear



Mechanical characteristics

PARAMETER	VALUE
Cell type	HJT
No. of cells	132 (6 × 22)
Dimensions	2384 × 1303 × 33 mm
Weight	37.9 kg
Junction box	IP68
Cable	4 mm²; +350 / -250 mm; UV resistant; customizable
Connectors	MC4 / MC4-Evo2 / MC4-Evo2A / PV-H4 / Z4S-abcd / PV-ZH202B
Frame	Anodized aluminum alloy frame
Front / rear load	5400 Pa / 2400 Pa
Glass	Dual glass, 2.0 mm
Packaging	33 pcs / pallet; 18 pallets / 40'HC; 594 pcs / 40'HC

Operating characteristics

PARAMETER	VALUE
Module temperature	-40°C to +85°C
Max. system voltage	1500 V DC (IEC)
Max. series fuse	35 A
Pmax tolerance	0 to +3%
Power selection	0 to +5 W
Bifaciality	90 ±5%
Safety class	Class II

Electrical parameters / STC

POWER CLASS	730	735	740	745	750
Pmax (W)	730	735	740	745	750
Vmpp (V)	42.32	42.41	42.50	42.59	42.68
Impp (A)	17.26	17.34	17.42	17.50	17.58
Voc (V)	50.37	50.47	50.57	50.67	50.77
Isc (A)	18.35	18.44	18.53	18.62	18.71
Efficiency (%)	23.50	23.70	23.80	24.00	24.10

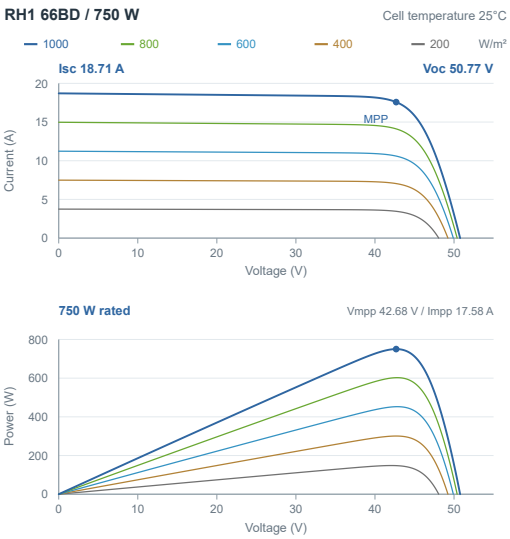
Temperature characteristics

PARAMETER	VALUE
NOCT	44 ±2°C
Pmax coefficient	-0.24%/°C
Voc coefficient	-0.22%/°C
Isc coefficient	+0.04%/°C

Electrical parameters / NOCT

POWER CLASS	730	735	740	745	750
Pmax (W)	557	561	565	568	572
Vmpp (V)	40.41	40.50	40.58	40.67	40.76
Impp (A)	13.79	13.86	13.92	13.99	14.05
Voc (V)	48.08	48.17	48.27	48.36	48.46
Isc (A)	14.67	14.74	14.81	14.88	14.95

I–V / P–V curves



Electrical parameters / BNPI

POWER CLASS	730	735	740	745	750
Pmax (W)	818	824	829	835	841
Vmpp (V)	42.47	42.56	42.65	42.74	42.83
Impp (A)	19.28	19.37	19.46	19.55	19.64
Voc (V)	50.54	50.65	50.75	50.85	50.95
Isc (A)	20.58	20.68	20.78	20.88	20.98

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. BNPI: AM 1.5, front irradiance 1000 W/m², rear irradiance 135 W/m², cell temperature 25°C.
3. Measuring tolerance: ±3%.

Calculated from datasheet STC parameters.
AM1.5; front irradiance as shown; rear irradiance 0 W/m².