

RAGGIE®



RG-BC 280W

Adapt to distributed projects

- ◆ Minimalist and modern , with a unique style
- ◆ Better power generation performance throughout the entire life cycle
- ◆ High quality ensures long-term reliability of components

15

15 year product material and process warranty

25

25 year warranty for excess linear power output

A sound quality management system and product certification

IEC 61215, IEC 61730, UL 61730

ISO9001:2015.ISO Quality management system

ISO14001:2015:150 Environmental management system

ISO45001:2018: Occupational health and safety system

IEC62941:Quality assurance guidelines for the design and type testing of photovoltaic modules

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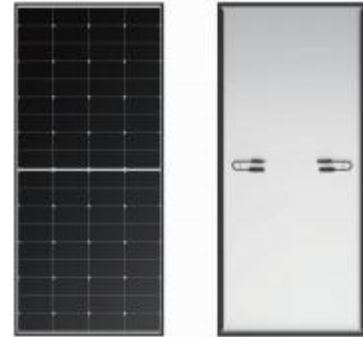
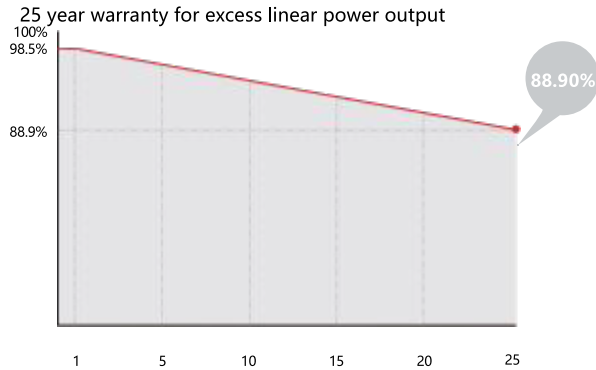
21.5%
Maximum conversion efficiency

0~3%
Power tolerance

<1.5%
Power attenuation in the first year

0.40%
Annual power attenuation for 2-25 years

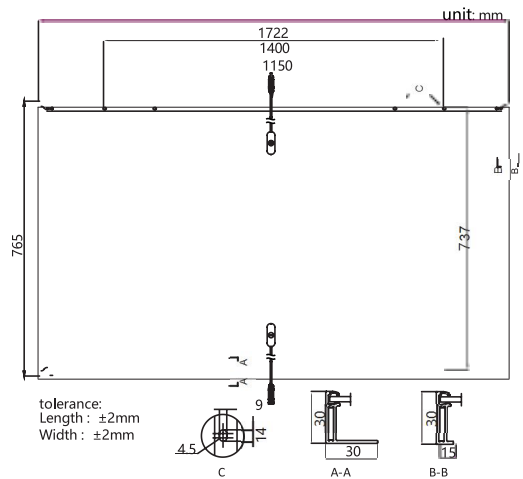
Excess returns



Mechanical parameters

Battery arrangement	72 (4×18)
Junction box	Split junction box, IP68
Output line	4mm ² , ± 1200mm Customizable wire length
glass	Single glass, 3.2mm coated tempered glass
frame	Composite material border
Component weight	13.0kg
Component dimensions	1722×765×30mm
Packaging information	36 pieces/pallet 216 pieces/20 foot flat cabinet 936 pieces/40 foot high cabinet 1008 pieces/13.5 meter flatbed trucks 1224 pieces/17.5 meter flatbed trucks

* The 17.5-meter vehicle is marked with a load of 30t. Due to inconsistent specifications, the specific loading quantity will be based on the actual arrival



20°C 1m/s Maximum power test uncertainty: ± 3%

Electrical performance parameters

STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m²

Component model	LR5-36HTH-260M		LR5-36HTH-265M		LR5-36HTH-270M		LR5-36HTH-27. M		LR5-36HTH-280M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax/W)	260	194	265	198	270	201	275	206	280	209
Open circuit voltage (Voc/V)	25.20	23.66	25.35	23.80	25.51	23.95	25.66	24.09	25.82	24.24
Short circuit current (Isc/A)	13.32	10.76	13.49	10.90	13.66	11.04	13.83	11.17	14.00	11.31
Peak power voltage (Vmp/V)	21.11	19.26	21.24	19.38	21.36	19.49	21.50	19.61	21.63	19.73
Peak power current (Imp/A)	12.32	10.0	12.48	10.21	12.64	10.34	12.79	10.47	12.95	10.60
Component efficiency (%)	20.5		20.8		21.0		21.3		21.5	

Working parameters

working temperature	-40°C ~ +85°C
Power tolerance	0 ~ 3%
Maximum system voltage	DC1500V (IEC/UL)
Maximum rated current of fuse	25A
Nominal operating temperature	45±2°C
Safety protection level	Class II
Component fire rating	UL Type 1 or 2 IEC Class C

Load capacity

Maximum static load on the front side	5400Pa
Maximum static load on the back	2400Pa
Through hail testing	Diameter 25mm, impact speed 23m/s

Temperature coefficient (STC test)

Short circuit current (Isc) temperature coefficient	+0.050%/°C
Open circuit voltage (Voc) temperature coefficient	-0.230%/°C
Peak power (Pmax) temperature coefficient	-0.290%/°C