

# JH-G12RDS132C 620~640W

## N-23.5% Efficiency

N

620~640W (182x210 mm Half-Cut Cell) 132 pcs

N-TYPE bifacial Silver Frame

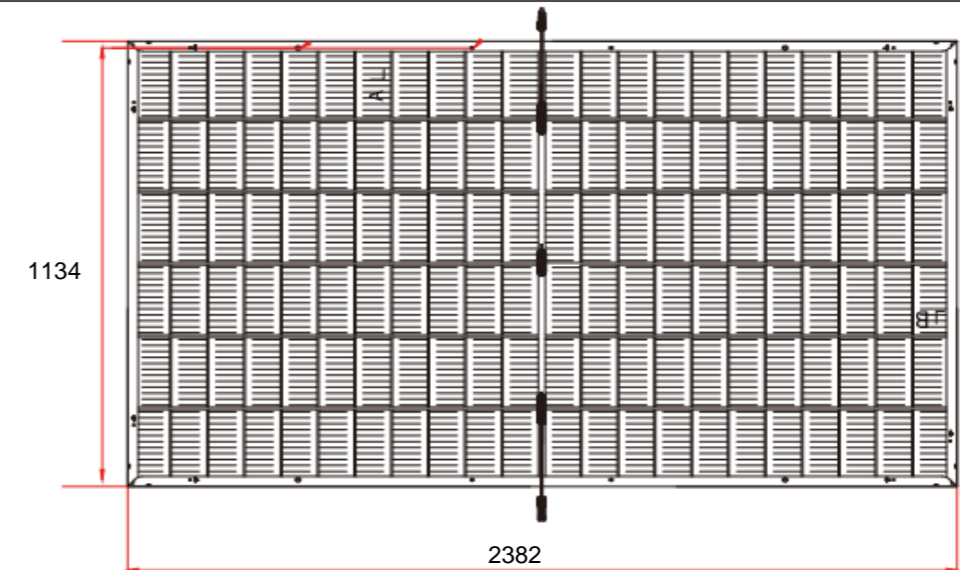


Dimension: 2382 mm x 1134mm x 30 mm

Weight: 33.1 kg



## Product Appearance



### Electrical parameters at Standard Test Conditions (STC\*) & Nominal Operating Cell Temperature (NOCT\*)

Module Type	620W / 474 W	625W / 478W	630W / 482W	635W / 486W	640W / 490W
Test Environment	STC / NOCT	STC / NOCT	STC / NOCT	STC / NOCT	STC / NOCT
Power output tolerances Pmax(W)	(0,+5)	(0,+5)	(0,+5)	(0,+5)	(0,+5)
Module efficiency(%)	23.0	23.1	23.3	23.4	23.5
Voltage at Pmax Vmpp(V)	41.40 / 38.80	41.70 / 39.10	42.00 / 39.40	42.30 / 39.70	42.60 / 40.00
Current at Pmax Imp(A)	14.99 / 12.20	15.00 / 12.21	15.01 / 12.22	15.02 / 12.23	15.03 / 12.24
Open-circuit voltage Vco(V)	49.60 / 47.10	49.90 / 47.30	50.20 / 47.70	50.50 / 48.10	50.80 / 48.50
Short-circuit current Ico(A)	15.91 / 12.82	15.92 / 12.83	15.93 / 12.84	15.94 / 12.85	15.95 / 12.86

\*STC: 1000 W·m<sup>-2</sup> irradiance, 25°C cell temperature, AM 1.5 spectrum according to EN 60904-

\*NOCT: open-circuit module operation temperature at 800 W·m<sup>-2</sup> irradiance, 20°C ambient temperature, 1 m·s<sup>-1</sup> wind speed.

### GENERAL CHARACTERISTICS

Dimensions (L / W / H)	2382 mm / 1134mm / 30 mm
Weight	33.1 kg

### PACKAGING SPECIFICATIONS

Number of modules per pallet	36
Number of pallets per 40' container	20
Pieces per Container	720

### THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45 ± 2
Temperature coefficient of Pmax		% / °C	-0.29
Temperature coefficient of Voc		% / °C	-0.25
Temperature coefficient of Isc		% / °C	0.045

\*NOCT: open-circuit module operation temperature at 800 W·m<sup>-2</sup> irradiance, 20°C ambient temperature, 1 m·s<sup>-1</sup> wind speed.

### OPERATING CONDITIONS

Max. system voltage	1500 VDC
Max. series fuse rating*	30 A
Operating temperature range	- 40°C to 85°C
Max. static load, front (e.g., snow)	5400 Pa
Max. static load, back (e.g., wind)	2400 Pa
Max. hailstone impact (diameter/velocity)	25 mm / 23 m·s <sup>-1</sup>

\*DO NOT CONNECT FUSE IN COMBINER BOX WITH TWO OR MORE STRINGS IN PARALLEL CONNECTION.

### CONSTRUCTION MATERIALS

Cell ( material / quantity )	monocrystalline silicon / 6 x 22
Glass (material / thickness)	low-iron tempered glass / 2+2 mm
Frame (material)	anodized aluminum alloy
Junction box (type / protection degree)	3 bypass diodes / ≥ IP68
Cable (length / cross-sectional area)	± 300 mm or customized length / 4 mm <sup>2</sup>