JHPV TECH

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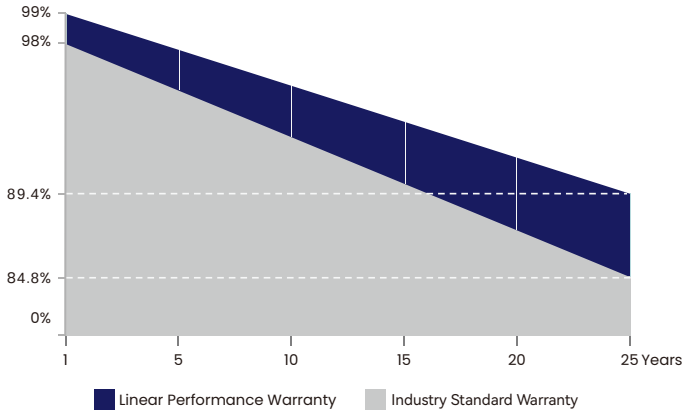
JH-G12DS132C 685~710W

22.86% Efficiency

685~710W (210x210 mm Half-Cut Cell) 132 pcs

N-TYPE bifacial Silver Frame



15 Years
Material & Craft
Quality
Assurance

30 Years
84.8% Output
Power
Guarantee

KEY FEATURES HIGHLIGHTS

Mono MBB half cut
Original European Parts

EU Standard
European Quality
Control

PID Resistance
High stablility and torsion
free with Wave Shape

PRODUCT CERTIFICATIONS

Production process
reliability test
electro-luminance
inspection

AR coating
tolerance and lower
resistive loss

Excellent Durability
resistantto salt mist, ammonia,
dust and sand, snail trail.

Reduce BOS cost
increase ROI
Low temp coefficient
(PMax) for higher output

Wide Applications
Durability against Extreme
Environmental Conditions

Lower Losses
Multi Busbar Technologyfor
better Light trapping

JH-G12DS132C 685~710W

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Electrical parameters at Standard Test Conditions (STC*) & Nominal Operating Cell Temperature (NOCT*)						
Module Type	685W / 521W	690W / 526W	695W / 530W	700W / 534W	705W / 538W	710W / 542W
Test Environment	STC / NOCT	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)	(0,+5)
Module efficiency(%)	22.05	22.21	22.37	22. 53	22. 70	22.86
Voltage at Pmax Vmpp(V)	39.80 / 37.30	40.10 / 37.70	40.30 / 37.80	40.50 / 38.00	40.70 / 38.20	40.90 / 38.40
Current at Pmax Impp(A)	17.19 / 13.94	17.23 / 13.96	17.25 / 14.02	17.29 / 14.05	17.33 / 14.08	17.36 / 14.12
Open-circuit voltage Vco(V)	47.70 / 45.20	47.90 / 45.40	48.30 / 45.80	48.60 / 46.00	48.80 / 46.20	49.00 / 46.40
Short-circuit current Ico(A)	18.21 / 14.67	18.25 / 14.71	18.28 / 14.73	18.32 / 14.76	18.36 / 14.80	18.40 / 14.83

*STC: 1000 W·m-2 irradiance, 25°C cell temperature, AM 1.5 spectrum according to EN 60904-
*NOCT: open-circuit module operation temperature at 800 W·m-2 irradiance, 20°C ambient temperature, 1 m·s-1 wind speed.
3.

GENERAL CHARACTERISTICS

Dimensions (L / W / H)	2384 mm / 1303mm / 33 mm
Weight	38.7 kg

PACKAGING SPECIFICATIONS

Number of modules per pallet	33
Number of pallets per 40' container	18

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45 ± 2
Temperature coefficient of P_{max}	γ	% / °C	-0.30
Temperature coefficient of V_{oc}	β	% / °C	-0.24
Temperature coefficient of I_{sc}	α	% / °C	0.045

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

OPERATING CONDITIONS

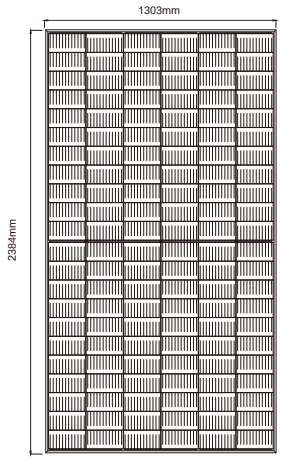
Max. system voltage	1500 VDC
Max. series fuse rating*	35 A
Operating temperature range	- 40°C to 85°C
Max. static load, front (e.g., snow)	5400 Pa
Max. static load, back (e.g., wind)	2400 Pa
Max. hailstone impact (diameter/velocity)	25 mm / 23 m·s^{-1}

*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 mm + 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^2

BACK VIEW (Units: mm)



SECTION A-A

Warning: Read the Installation and User Manual in it's entirety before handling, installing and operating Solar modules.

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