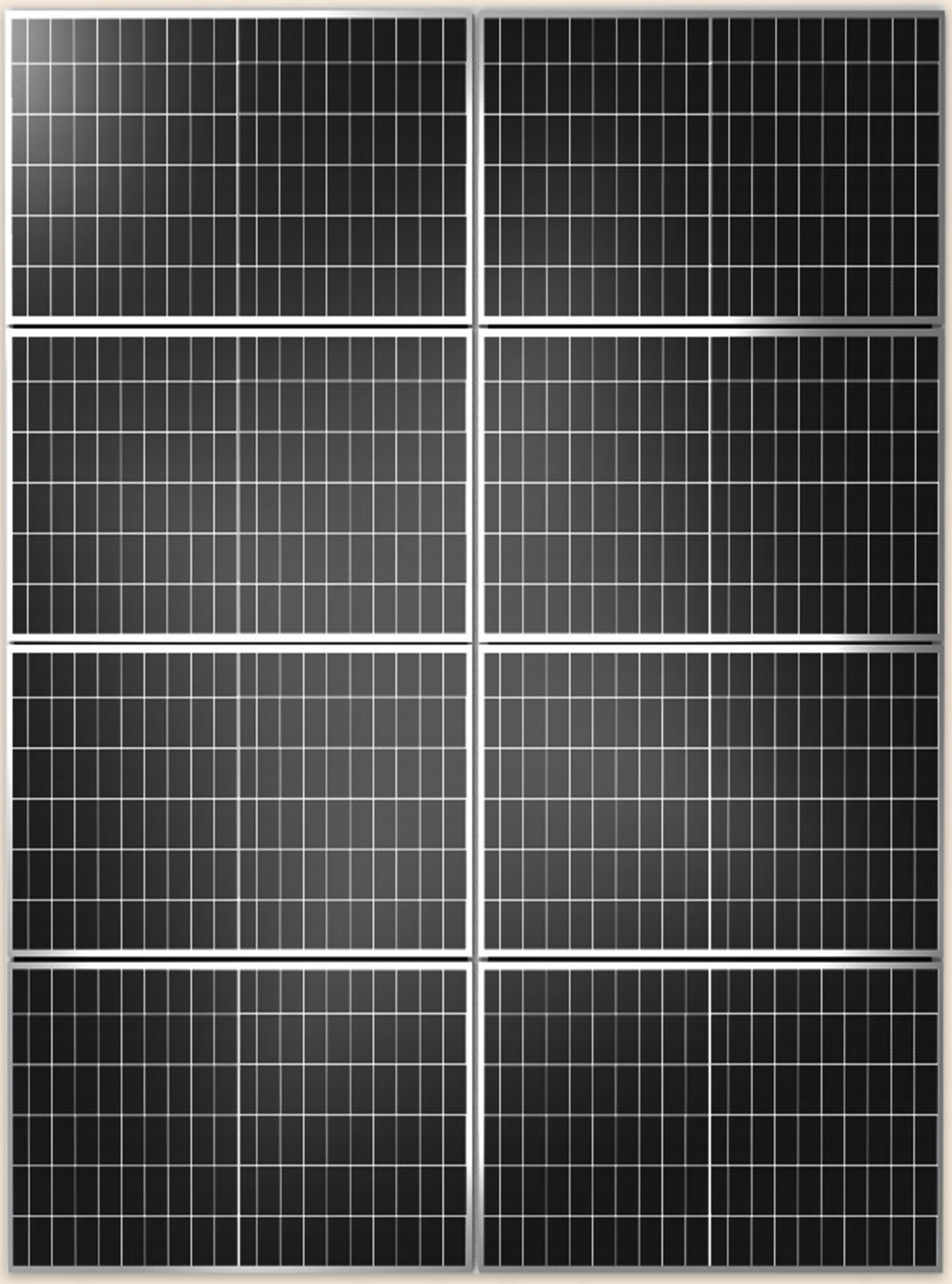
HYPERNOVA™

Power up to **6,504W** BSTC

1,056-CELL PURE BIFACIAL HJT HALF CELL DOUBLE-GLASS SOLAR MODULES

Hypernova™ Module Frames covers two full size parking bays, each frame consists of 8 x Huasun Himalaya G12 PV Panels, structurally bonded to the Hypernova™ Frame ensuring structural strength and watertight integrity.



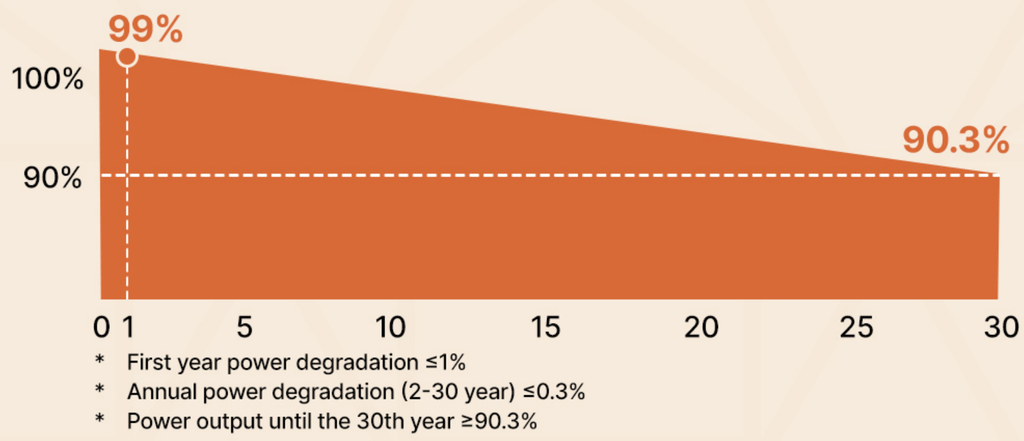
OBB Technology
Shorter current transmission distance, less resistive loss and higher cell efficiency, more sophisticated look.

HJT Technology
Combining gettering process and μC-Si technology to ensure higher cell efficiency and higher module power.

Up to 95% Bifaciality
Natural symmetrical bifacial structure bringing more energy yield from the backside.

Sealing with PIB
Integrated coating frames ensuring modules passing the IEC salt-mist test level 8.

Suitable for Utility Project
Lower BOS cost, lower LCOE.



* First year power degradation ≤1%
* Annual power degradation (2-30 year) ≤0.3%
* Power output until the 30th year ≥90.3%

The specification and key features described in this data sheet may deviate slightly and are not guanranteed. CrowdHouse Energy reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the data sheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

30 YEARS LINEAR POWER WARRANTY

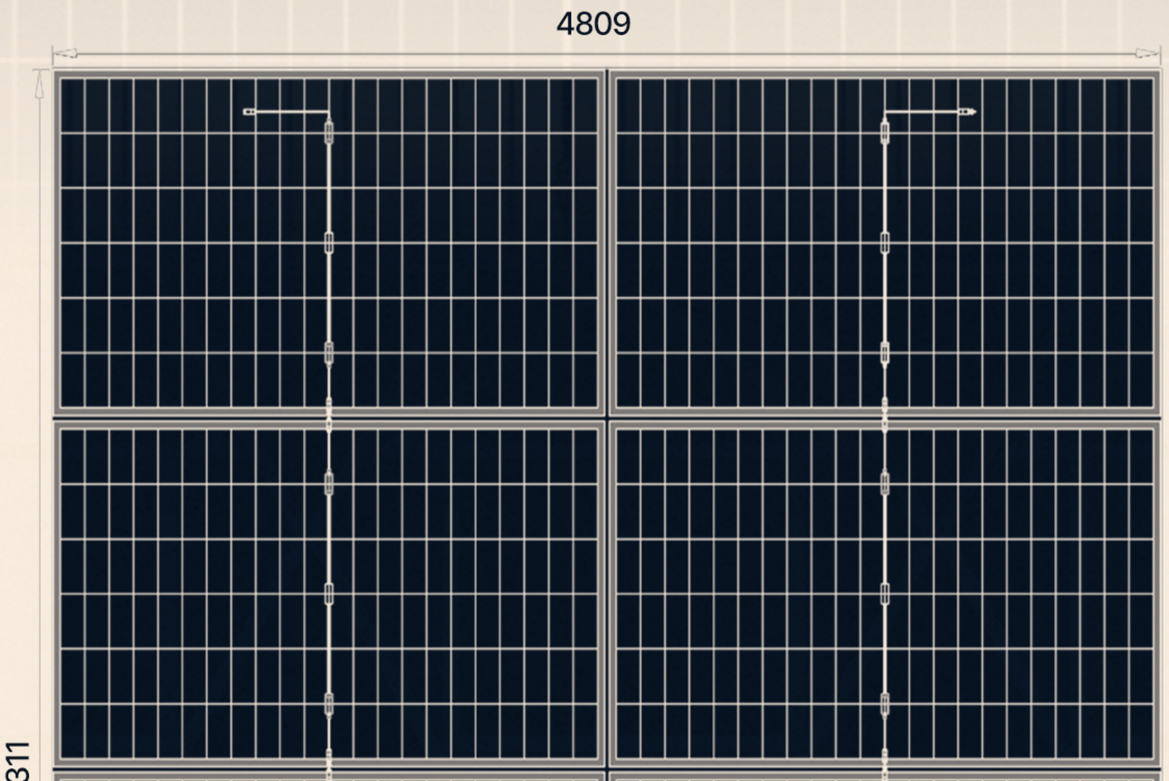
30 YEARS PRODUCT WARRANTY

CREATING POWERFUL SPACES™

0191 580 8009 | info@che-uk.com | www.che-uk.com | CrowdHouse Energy

Technical Data

ENGINEERING DRAWINGS (UNIT: mm)



The specification and key features described in this data sheet may deviate slightly and are not guanranteed. CrowdHouse Energy reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the data sheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of Pmax	-0.24% / °C
Temperature Coefficient of Voe	-0.22% / °C
Temperature Coefficient of Isc	0.04% / °C

SAFETY & WARRANTY

Safety Class	Class II
Product Warranty	30 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty

ELECTRICAL CHARACTERISTICS (STC*)

HNM - V1.1	
Maximum Power (Pmax)	5800W
Module Efficiency (%)	23.03%
Optimum Operating Voltage (Vmp)	337.84V
Optimum Operating Curent (Imp)	17.18A
Open Circuit Voltage (Voc)	402.16V
Short Circuit Voltage (Isc)	18.26A
Operating Module Temperature	-40 to +85°C
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse	35A
Power Tolerance	0~+5W
Bifaciality	90% ±5%

*STC: Irradiance 1000 W/m2, cell temperature 25 °C, AM=1.5. Tolerance of Pmax is within+/- 3%.

BSTC**

Maximum Power (Pmax)	6504W
Optimum Operating Voltage (Vmp)	339.04V
Optimum Operating Curent (Imp)	19.19A
Open Circuit Voltage (Voc)	403.52V
Short Circuit Current (Isc)	19.33A

**BSTC: Front side irradiation 1000W/m2, back side reflection irradiation 135W/m2, AM=1.5, ambient temperature 25 °C.

MECHANICAL CHARACTERISTICS (STC*)

Cell Type	HJT Mono 210 × 105mm
Cell Connection	132 (6 × 22 × 8)
Module Dimension	5311 × 4809 × 59mm
Weight	369.54kg
Junction Box	IP68
Output Cable	4mm2, 200mm in length, length can be customised / UV resistant
Connectors Type	MC4 original / MC4 compatible
Frame	Anodised aluminum alloy
Encapsulant	EPE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 2.0mm anti-reflective solar glass I (B) 2.0mm solar glass

CREATING POWERFUL SPACES™

0191 580 8009 | info@che-uk.com | www.che-uk.com | CrowdHouse Energy