



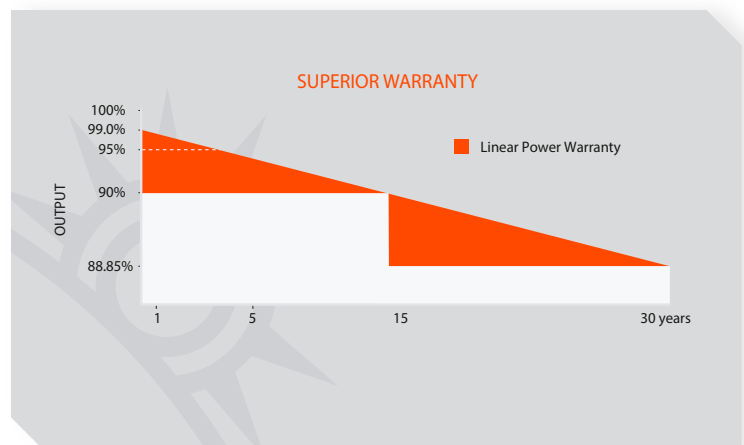

HMB132B12R

640W - 670W

Bifacial


30-year linear power output warranty

15-years product warranty

SUPERIOR QUALITY

With BACK CONTACT technology and half cell design, Helius Sunlink PV panels reduce conver of cell by busbars and improve current collection ability on cloudy days.




HIGH EFFICIENCY AND POWER DENSITY

High conversion efficiency and up to 670 W. More gain power per square meter.




PERFORMANCE WARRANTY

With up to 30 years of solar generation, Helius Sunlink PV warranty can guarantee the longevity of your project.



FIRE-PROOF PERFORMANCE

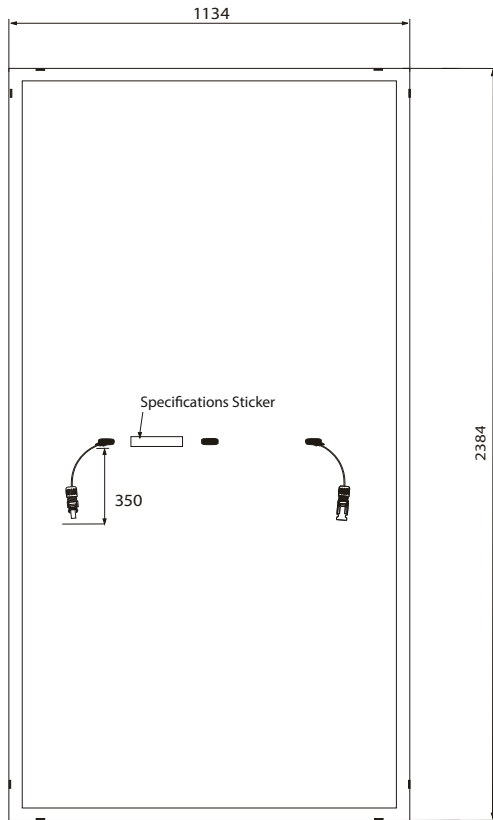
Modules are approved and tested under IEC 61730 and Class C Fire Test.



LIGHT AND RELIABLE

Much lighter modules with thicker frames to ensure module resilience. Modules could be applied under ammonia, salt mist, high temperature, high humidity condition.

TECHNICAL DIMENSIONS (MM)

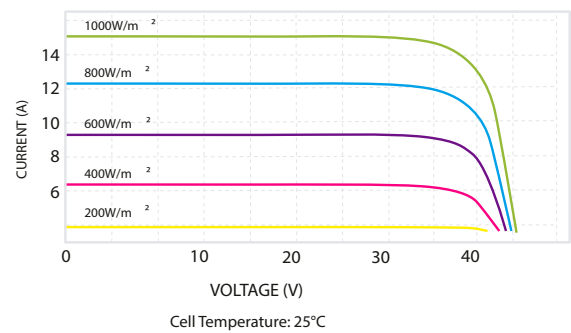


MECHANICAL CHARACTERISTICS

Dimensions	2384 x 1134 x 30mm
Solar Cells	132 N-type Back Contact Cells
Weight	33.3 kg
Frame	Black Composite
Frontal Glass	2mm High Transmission, Low Iron Tempered
Back Glass	2mm High Transmission, Low Iron Tempered
J-Box	IP68 / 3 bypass diodes
Cables	4mm / Length 350mm or Customized

TEMPERATURE CHARACTERISTICS

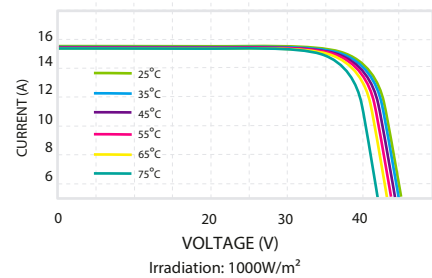
Temperature Coefficient I _{sc}	0.05% / °C
Temperature Coefficient V _{oc}	-0.20% / °C
Temperature Coefficient P _{max}	-0.26% / °C
Operational Temperature	-40°C ~+85°C



ELECTRICAL CHARACTERISTICS

HMB132B12R	640CB	645CB	650CB	655CB	660CB	665CB	670CB
Maximum Power P _{Max} (W)	640	645	650	655	660	665	670
Maximum Power Voltage V _{mp} (V)	40.78	40.88	40.98	41.08	41.18	41.28	41.38
Maximum Power Current I _{mp} (A)	15.69	15.78	15.86	15.94	16.03	16.11	16.19
Open Circuit Voltage V _{oc} (V)	49.52	49.62	49.72	49.82	49.92	50.02	50.12
Short Circuit Current I _{sc} (A)	16.38	16.46	16.54	16.62	16.70	16.11	16.19
Module Efficiency	23.7%	23.9%	24.1%	24.2%	24.4%	24.6%	24.8%
Maximum System Voltage	1500VCC						
Maximum Series Fuse	35A						

Test Conditions: 1000W/m², 25°C, AM=1.5



ELECTRICAL CHARACTERISTICS WITH REAR POWER GAIN (650W)

P _{max} Gain (%)	10%	20%
Maximum Power P _{Max} (W)	715	780
Maximum Power Voltage V _{mp} (V)	40.98	40.98
Maximum Power Current I _{mp} (A)	17.45	19.03

PACKAGING CONFIGURATION

Modules per Container 40HQ	740 pcs
Pallets per Container 40HQ	20
Modules per Pallet	37
Pallet Dimensions	2405 X 1260 X 1120mm
Gross Weight per Pallet (kg)	1275

Helius Sunlink PV reserves the right to change data and specifications without notices. All rights are reserved to Helius Sunlink PV. For more Informations, contact a technical representative or www.he-solar.com

APRIL 2026

