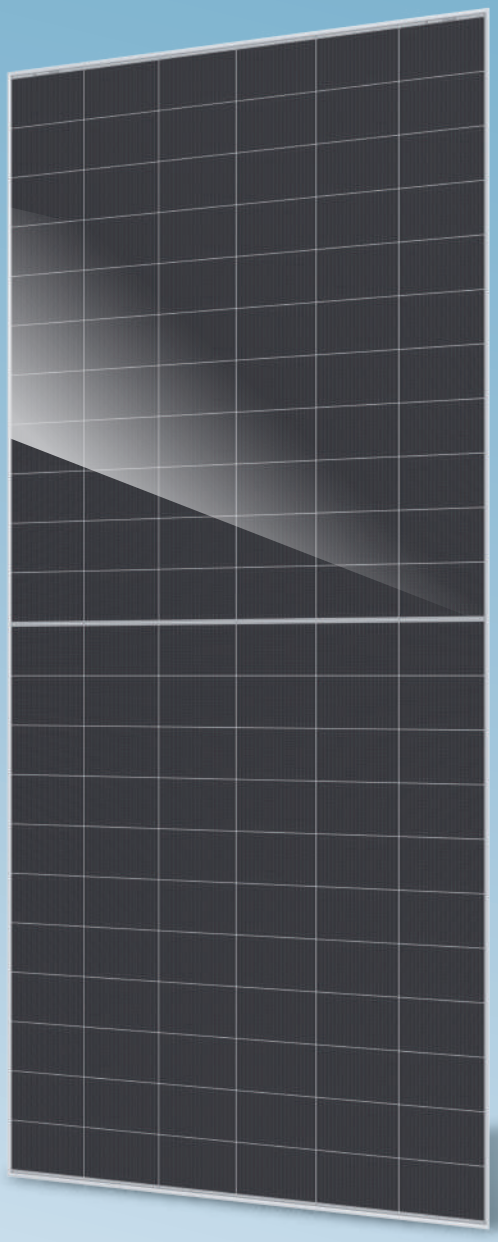
Solenso

HITek Z210R SERIES

132-cell Bifacial HIT Half-cell Double-glass Solar Module

600-635W



Efficiency up to

23.5%

20 years Product Warranty

30 years Linear Power Warranty

Bifacial Mono Module

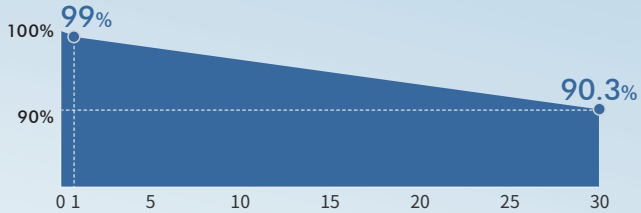
Capable of generating power at back side, at least 80% efficiency of the front side

Full Scenarios Coverage

Suitable for all scenario,especiallyC&I, residential, and ground applications, lower BOS cost, lower LCOE.

Sealing with PIB

Stronger moistance resistance, greater airimpermeability to extent module lifespan.



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

Certification

IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021
IEC 61730-1:2023
IEC 61730-2:2023
EN IEC 61215-1-1:2021
EN IEC 61215-1:2021
EN IEC 61215-2:2021

HITek-Z210R-132SW 600-635W

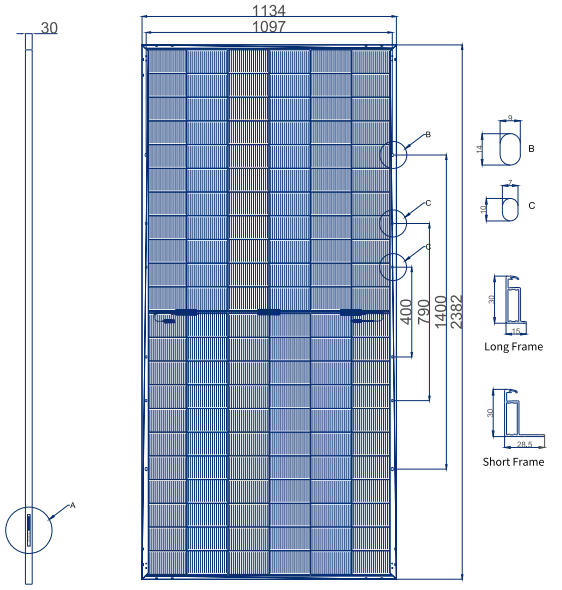
132-Half-Cell Bifacial HIT Module

MECHANICAL CHARACTERISTICS

Cell Type	HIT
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30 mm
Weight	32.6kg
Junction Box	IP68
Cable	4mm²; +350/-250mm or customized; UV resistant
Connector	MC4 / MC4-Evo2 / MC4-Evo2A / PV-H4 / Z4S-abcd / PV-ZH202B
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

ENGINEERING DRAWINGS

Unit: mm



Electrical Characteristics

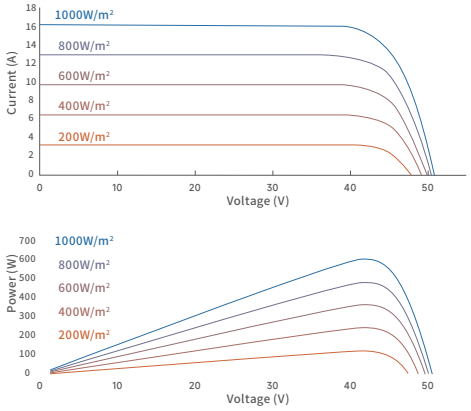
STC

HITek-Z210R-132	SW600	SW605	SW610	SW615	SW620	SW625	SW630	SW635
Maximum Power (Pmax/W)	600	605	610	615	620	625	630	635
Module Efficiency (%)	22.2	22.4	22.6	22.8	23.0	23.1	23.3	23.5
Voltage at Pmax (Vmp/V)	40.69	40.78	40.85	40.96	41.05	41.14	41.23	41.32
Current at Pmax (Imp/A)	14.76	14.85	14.95	15.03	15.12	15.21	15.30	15.39
Open Circuit Voltage (Voc/V)	48.75	48.85	48.94	49.05	49.15	49.25	49.34	49.43
Short Circuit Current (Isc/A)	15.56	15.66	15.76	15.86	15.96	16.06	16.16	16.26

STC: AM1.5, 1000W/m², 25°C.

I-V Curve

(HITek-Z210R-132SW620)



BNPI

Maximum Power (Pmax/W)	672	678	684	689	695	700	706	712
Voltage at Pmax (Vmp/V)	40.83	40.92	40.99	41.10	41.19	41.28	41.37	41.46
Current at Pmax (Imp/A)	16.48	16.58	16.69	16.78	16.88	16.98	17.08	17.18
Open Circuit Voltage (Voc/V)	48.92	49.02	49.11	49.22	49.32	49.42	49.51	49.60
Short Circuit Current (Isc/A)	17.45	17.56	17.67	17.79	17.90	18.01	18.12	18.24

BNPI: AM1.5, 1000W/m², 135W/m², 25°C.

NOCT

Maximum Power (Pmax/W)	458	461	465	469	473	477	481	484
MVoltage at Pmax (Vmp/V)	38.84	38.92	38.98	39.09	39.18	39.26	39.34	39.42
Current at Pmax (Imp/A)	11.80	11.87	11.95	12.01	12.08	12.16	12.23	12.30
Open Circuit Voltage (Voc/V)	46.53	46.62	46.71	46.82	46.91	47.01	47.09	47.18
Short Circuit Current (Isc/A)	12.44	12.52	12.60	12.68	12.76	12.84	12.92	13.00

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.04%/°C

PACKAGING

	40HQ
Modules Per Pallet	36
Pallets Per Container	20
Modules Per Container	720

OPERATING CONDITIONS

Nominal Operating Cell Temp.	44±2°C
Operating Temperature	-40~+85°C
Maximum System Voltage	DC1500V (IEC)
Maxiumu Series Fuse Rating	30A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	90±5%
Safety Class	Class II

Contact with info.eu@solenso-global.com , or visit www.solenso-global.com