Solenso

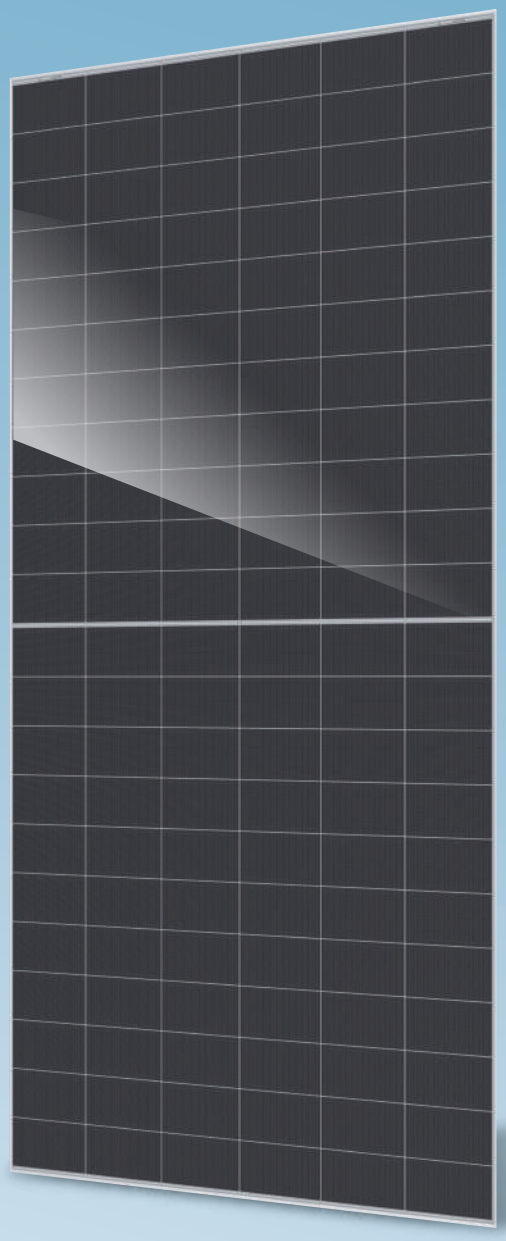
HITek Z210 SERIES

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

700-735W

Efficiency up to

23.7%



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

HIT Technology

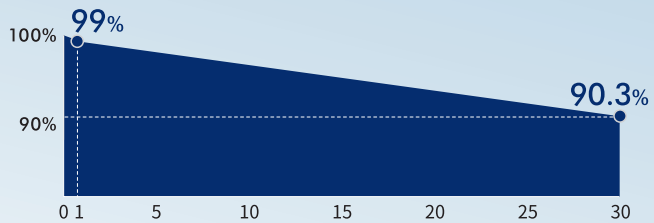
Combining gettering process and μc-Si technology to ensure higher cell efficiency and higher module power

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%

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-Z210-132SW 700-735W

132-Half-Cell Bifacial HIT Module

MECHANICAL CHARACTERISTICS

Cell Type	HIT
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 33 mm
Weight	37.9kg
Junction Box	IP68
Cable	4mm²; +350/-250mm or customized; UV resistant
Connector	MC4 / MC4-Evo2A / PV-H4 / Z4S-abcd / ST4
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HITek-Z210R-132	SW700	SW705	SW710	SW715	SW720	SW725	SW730	SW735
Maximum Power (Pmax/W)	700	705	710	715	720	725	730	735
Module Efficiency (%)	22.5	22.7	22.9	23.0	23.2	23.3	23.5	23.7
Maximum Power Voltage (Vmp/V)	41.78	41.87	41.96	42.05	42.14	42.23	42.32	42.41
Maximum Power Current (Imp/A)	16.76	16.84	16.93	17.02	17.10	17.18	17.26	17.34
Open Circuit Voltage (Voc/V)	49.77	49.87	49.97	50.07	50.17	50.27	50.37	50.47
Short Circuit Current (Isc/A)	17.81	17.90	17.99	18.08	18.17	18.26	18.35	18.44

STC: AM1.5, 1000W/m², 25℃.

BSTC

Maximum Power (Pmax/W)	785	790	796	801	807	813	818	824
Maximum Power Voltage (Vmp/V)	41.92	42.02	42.11	42.20	42.29	42.38	42.47	42.56
Maximum Power Current (Imp/A)	18.73	18.82	18.91	19.00	19.10	19.19	19.28	19.37
Open Circuit Voltage (Voc/V)	49.94	50.04	50.14	50.24	50.34	50.44	50.54	50.65
Short Circuit Current (Isc/A)	19.97	20.07	20.18	20.28	20.38	20.48	20.58	20.68

BSTC: AM1.5, 1000W/m², 135W/m², 25℃.

NOCT

Maximum Power (Pmax/W)	534	538	542	545	549	553	557	561
Maximum Power Voltage (Vmp/V)	39.90	40.00	40.07	40.14	40.23	40.32	40.41	40.50
Maximum Power Current (Imp/A)	13.39	13.46	13.53	13.60	13.67	13.73	13.79	13.86
Open Circuit Voltage (Voc/V)	47.50	47.60	47.69	47.79	47.88	47.98	48.08	48.17
Short Circuit Current (Isc/A)	14.23	14.31	14.38	14.45	14.52	14.59	14.67	14.74

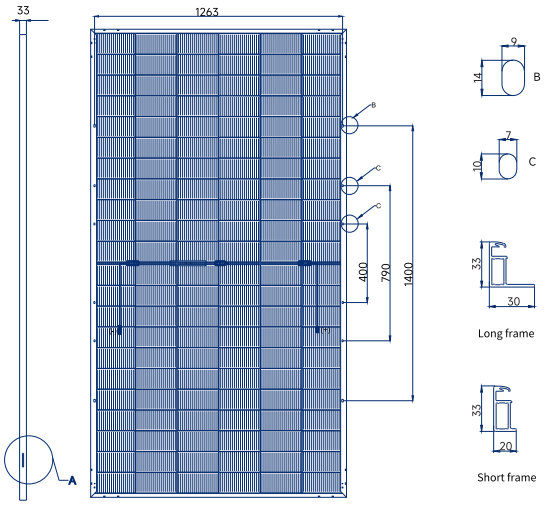
NOCT: AM1.5, 800W/m², 20℃, 1m/s.

PACKAGING

	40HQ
Modules Per Pallet	33
Pallets Per Container	18
Modules Per Container	594

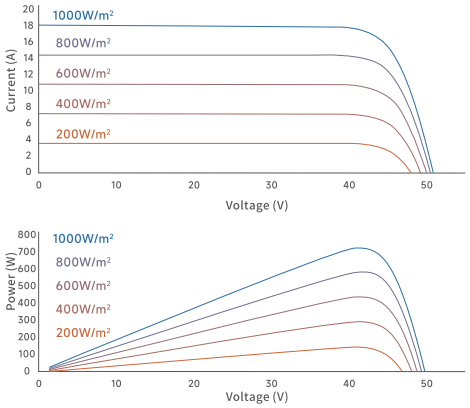
ENGINEERING DRAWINGS

Unit: mm



I-V Curve

(HITek-Z210-132SW715)



TEMPERATURE CHARACTERISTICS

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

OPERATING CONDITIONS

Nominal Operating Cell Temp.	44±2℃
Operating Temperature	-40~+85℃
Maximum System Voltage	DC1500V (IEC)
Maxiumu Series Fuse Rating	35A
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