

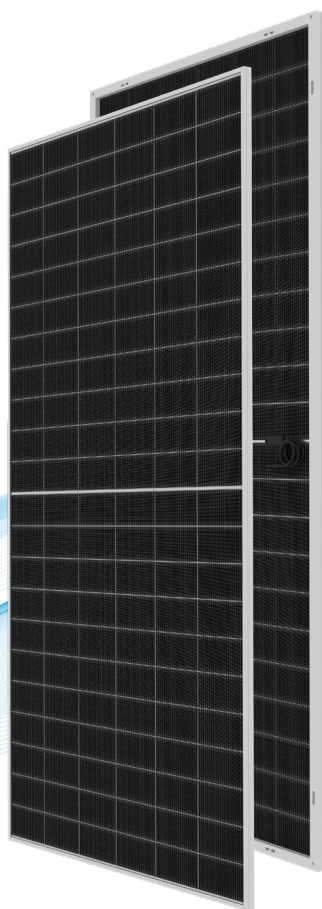
HD HYUNDAI SOLAR MODULE

HeteroMax™ (CH-ZB Series)

Premium N-Type HJT module

HiT-H595CH-ZB | HiT-H600CH-ZB | HiT-H605CH-ZB | HiT-H610CH-ZB

HiT-H615CH-ZB | HiT-H620CH-ZB | HiT-H625CH-ZB



23.1%
High Efficiency



High-End
Heterojunction
Technology



Enhanced Power
Generation with low
Temp. Coefficient



More Power
Generation
In Low Light



For Commercial
& Utility
Applications

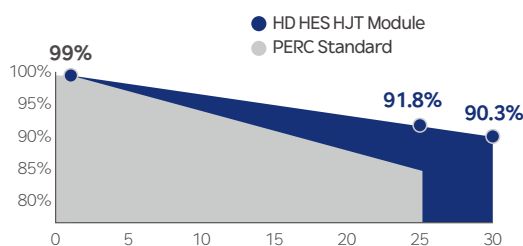
HD Hyundai's Warranty Provisions

15
YEARS

- 15-Year Product Warranty
- Materials and workmanship

30
YEARS

- 30-Year Performance Warranty
- First year degradation: 1%
- Linear warranty after initial year: with 0.3%p annual degradation, 90.3% is guaranteed up to 30years



*Refer to HD HES standard warranty for details.

Certification



- ISO 9001:2015:ISO Quality Management System
- ISO 14001:2015:ISO Environment Management System
- ISO 45001:Occupational Health and Safety
- IEC 61215, IEC 61730

Electrical Characteristics (STC*)

HiT-HxxxCH-ZB								
Item	Unit	595	600	605	610	615	620	625
Nominal Output (Pmax)	W	595	600	605	610	615	620	625
Open Circuit Voltage (Voc)	V	48.65	48.75	48.85	48.94	49.05	49.15	49.25
Short Circuit Current (Isc)	A	15.46	15.56	15.66	15.76	15.86	15.96	16.06
Voltage at Pmax (Vmpp)	V	40.60	40.69	40.78	40.85	40.96	41.05	41.14
Current at Pmax (Imp)	A	14.67	14.76	14.85	14.95	15.03	15.12	15.21
Module Efficiency	%	22.0	22.2	22.4	22.6	22.8	23.0	23.1
Power Selection	W	0 ~ +5						
Temperature Coefficient of Pmax	%/°C	-0.24						
Temperature Coefficient of Voc	%/°C	-0.22						
Temperature Coefficient of Isc	%/°C	0.04						
Bifaciality (Pmax / Voc / Isc)	%	90 ± 5 / 95 ~ 100 / 90 ± 5						

*STC : Irradiance 1,000 W/m², cell temperature 25°C, AM=1.5 / Tolerance of Pmax 0~+3%; Voc ±3%; Isc ±5%

BNPI** (Bifacial Nameplate Irradiance)

Item	Unit	595	600	605	610	615	620	625
Nominal Output (Pmax)	W	667	672	678	684	689	695	700
Open Circuit Voltage (Voc)	V	48.82	48.92	49.02	49.11	49.22	49.32	49.42
Short Circuit Current (Isc)	A	17.34	17.45	17.56	17.67	17.79	17.90	18.01
Voltage at Pmax (Vmpp)	V	40.74	40.83	40.92	40.99	41.10	41.19	41.28
Current at Pmax (Imp)	A	16.38	16.48	16.58	16.69	16.78	16.88	16.98

**The electrical properties of BNPI are measured under the irradiance corresponding to 1,000 W/m² on the module front and 135 W/m² on the module rear.

Additional Power Gain from rear side

Pmax Gain	Pmax[W]	Vmpp[V]	Imp[A]	Voc[V]	Isc[A]
5%	640.5	40.92	15.65	49.03	16.55
10%	701.5	41.06	17.09	49.19	18.12
15%	762.5	41.18	18.52	49.34	19.70

*Electrical characteristics with different rear power gain (reference to 610 W)

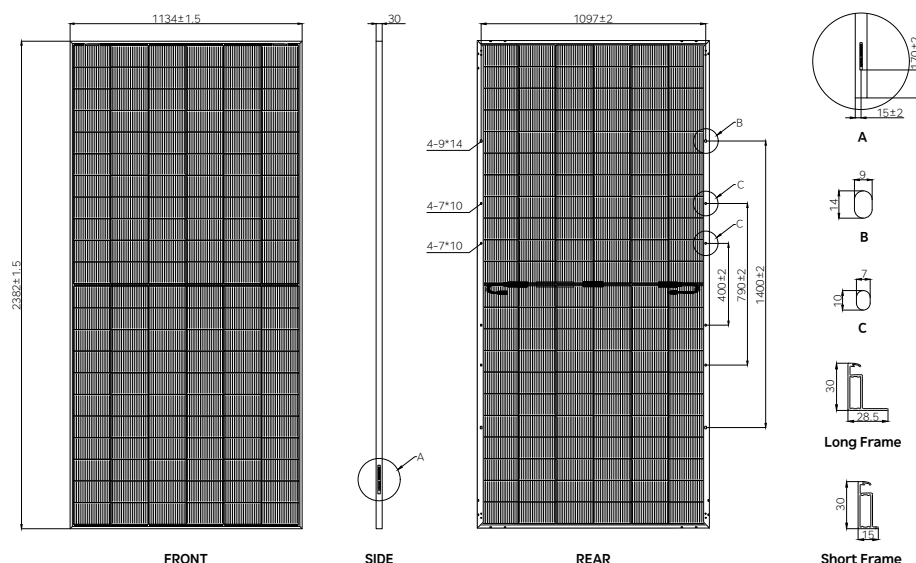
Mechanical Characteristics

Dimensions	2,382 mm (L) x 1,134 mm (W) x 30 mm (H)
Weight	32.3 kg
Solar Cells	N-Type HJT, 132 (6x22) monocrystalline half-cut bifacial cells
Output Cables	Cable : 4mm ² / 12AWG / (+)350 mm, (-)250 mm / Customized length Connector : PV-H4(Ningbo huayu Photovoltaic Technology Co.,Ltd.) PV-KST4-EVO 2/xy_UR, PV-KBT4-EVO 2/xy_UR(Stä ubli Electrical connectors AG)
Junction Box	3-part, 3 bypass diodes, IP68 rated
Construction	Front : 2.0mm Ultra-white AR-coating rolled toughened glass Rear : 2.0mm Ultra-white AR-coating rolled toughened glass
Frame	Anodized aluminum alloy

Shipping Configurations

Container Size (HC)	40'	Modules Per Pallet (pcs)	36
Pallets Per Container	20	Modules Per Container (pcs)	720

Module Diagram (unit : mm)



Manufactured in China

Installation Safety Guide

- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not damage or scratch the rear surface of the module.
- Do not handle or install modules when they are wet.

Nominal Module Operation Temperature	44°C ± 2°C
Operating Temperature	-40°C ~ +70°C
Maximum System Voltage	DC 1,500 V
Max Fuse Rating / Overcurrent Protection	30A
Maximum Test Load	Front 5,400Pa Rear 2,400Pa
Fire Class Rating	Fire class C

I-V Curves (HiT-H625CH-ZB)

