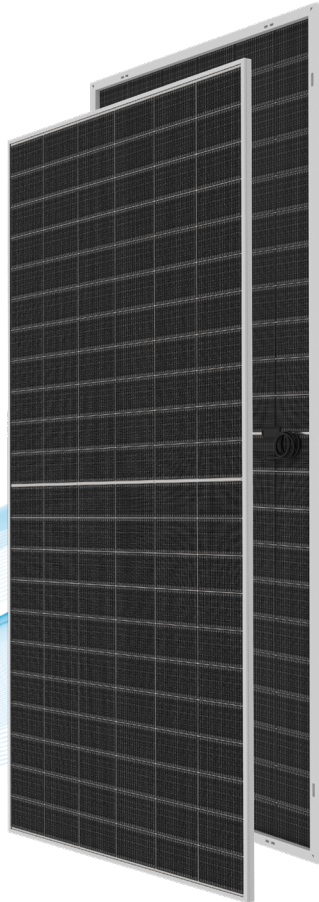


HD HYUNDAI SOLAR MODULE

HeteroMax™ (CH Series)

Premium N-Type HJT module

HiT-H615CH | HiT-H620CH | HiT-H625CH | HiT-H630CH | HiT-H635CH



23.5%
High Efficiency



High-End
Heterojunction
Technology



Enhanced Power
Generation with low
Temp. Coefficient



More Power
Generation
In Low Light



For Commercial
& Utility
Applications

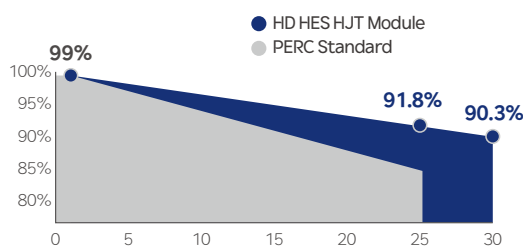
HD Hyundai's Warranty Provisions

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						
Item	Unit	615	620	625	630	635
Nominal Output (Pmax)	W	615	620	625	630	635
Open Circuit Voltage (Voc)	V	49.05	49.15	49.25	49.34	49.43
Short Circuit Current (Isc)	A	15.86	15.96	16.06	16.16	16.26
Voltage at Pmax (Vmpp)	V	40.96	41.05	41.14	41.23	41.32
Current at Pmax (Imp)	A	15.03	15.12	15.21	15.30	15.39
Module Efficiency	%	22.8	23.0	23.1	23.3	23.5
Power Selection	W	0 ~ +5				
Temperature Coefficient of Pmax	%/K	-0.24				
Temperature Coefficient of Voc	%/K	-0.22				
Temperature Coefficient of Isc	%/K	0.04				
Bifaciality	%	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	615	620	625	630	635
Nominal Output (Pmax)	W	689	695	700	706	712
Open Circuit Voltage (Voc)	V	49.22	49.32	49.42	49.51	49.60
Short Circuit Current (Isc)	A	17.79	17.90	18.01	18.12	18.24
Voltage at Pmax (Vmpp)	V	41.10	41.19	41.28	41.37	41.46
Current at Pmax (Imp)	A	16.78	16.88	16.98	17.08	17.18

**The electrical properties of BNPI are measured under the irradiance corresponding to 1000 W/m² on the module front and 135 W/m² on the module rear.

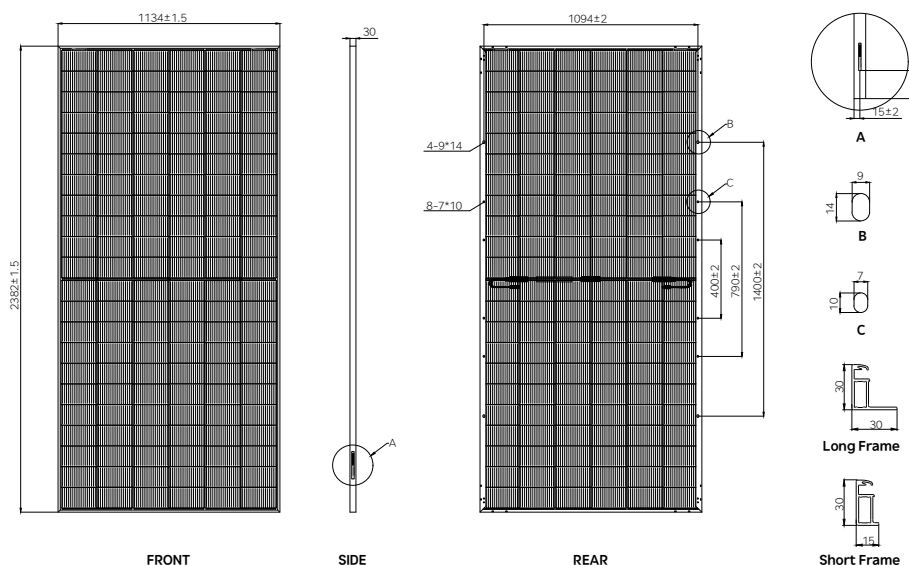
Mechanical Characteristics

Dimensions	2,382 mm (L) x 1,134 mm (W) x 30 mm (H)
Weight	32.6 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 : MC4(Stäubli Electrical connectors AG) / MC4-Evo2A(Stäubli Electrical connectors AG) / PV-H4(Ningbo huayu Photovoltaic Technology Co.,Ltd.) / Z4S-abcd(Zerun Co., LTD.) / ST4(Zhejiang Sinwo Solar Technology Co.,Ltd.)
Junction Box	3-part, 3 bypass diodes, IP68 rated
Construction	Front : 2.0mm semi-tempered solar glass with light conversion and anti-reflective coating Rear : 2.0mm semi-tempered solar 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 ~ +85°C
Maximum System Voltage	DC 1,500 V
Maximum Reverse Current	30A
Maximum Test Load	Front 5,400Pa Rear 2,400Pa

I-V Curves (HiT-H625CH)

