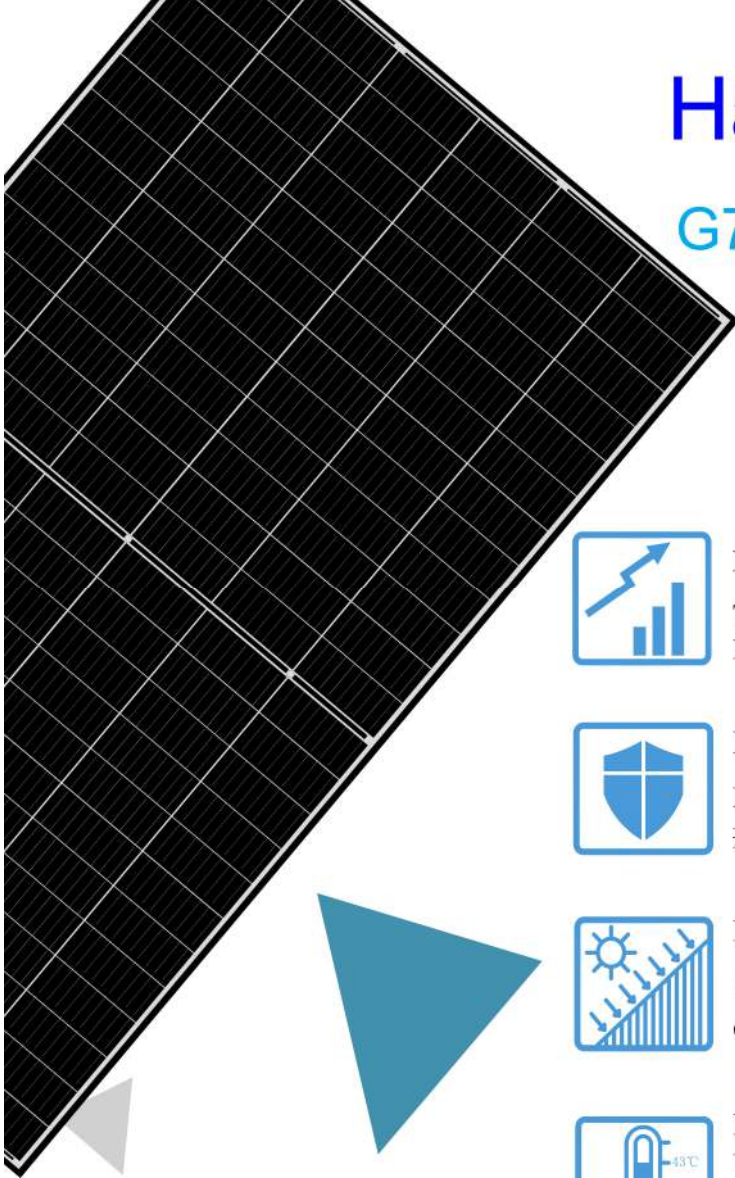


Half Cell Mono PERC

G7DAS-WH144P 390W ~ 410W

Tấm Pin Công nghệ USA



High Conversion Efficiency/Hiệu suất chuyển đổi cao

The leading module conversion efficiency, Up to 20.4%
Dẫn đầu về hiệu suất quang năng lên đến 20.4%



High Reliability/Độ tin cậy cao

Passed 3*IEC standard test
Đạt tiêu chuẩn 3*IEC



Low Hot-spot Effect/Nhiệt độ điểm Hot-spot thấp

1/2 current, reduce the Hot-spot temperature
Giảm nhiệt độ đáng kể tại điểm Hot-spot.



Low Work Temperature/Nhiệt độ làm việc thấp

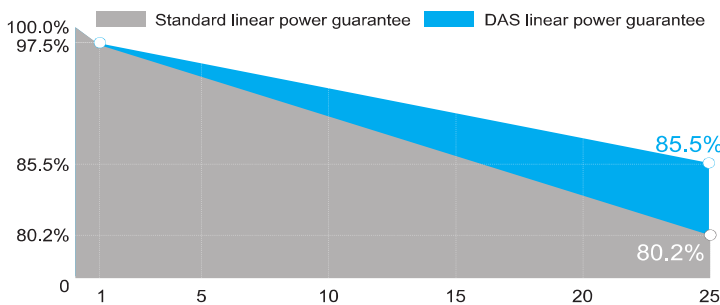
Work temperature less than 43°C, improve the power generation efficiency
Nhiệt độ làm việc nhỏ hơn 43°C, tái tạo điện năng hiệu quả



Half Cell, MBB Technology/Half Cell, Công nghệ MBB

Series-then-parallel cell connection design, high reliable welding technology.

Công nghệ MBB : nhiều đường busbar giúp tăng hiệu quả quang năng, cải thiện tối đa công suất.



Product And Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001:2015 Quality Management System
- ISO 14001:2015 Environmental Management System
- ISO 45001:2018 EHS Management System
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) Modules. Guideline for increased confidence in PV module design qualification and type approval.

-2.50% First year power degradation

-0.50% Power degradation per year



Materials and workmanship warranty



Power linear warranty



Half Cell Mono PERC G7DAS-WH144P 390W ~ 410W

Electrical Parameters (STC*)

Module Type	WH144P-410	WH144P-405	WH144P-400	WH144P-395	WH144P-390
Nominal Max. Power(Pmax/W)	410	405	400	395	390
Open Circuit Voltage(Voc/V)	49.70	49.48	49.29	49.08	48.89
Short Circuit Current(Isc/A)	10.38	10.31	10.23	10.15	10.07
Operating Voltage(Vmp/V)	41.49	41.27	41.06	40.84	40.66
Operating Current(Imp/A)	9.88	9.81	9.74	9.67	9.59
Module Efficiency(%)	20.4	20.1	19.9	19.7	19.4

STC* (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

Electrical Parameters (NMOT*)

Module Type	WH144P-410	WH144P-405	WH144P-400	WH144P-395	WH144P-390
Nominal Max. Power(Pmax/W)	301	298	294	290	287
Open Circuit Voltage(Voc/V)	45.97	45.77	45.59	45.40	45.22
Short Circuit Current(Isc/A)	8.37	8.31	8.25	8.18	8.12
Operating Voltage(Vmp/V)	38.10	37.96	37.74	37.47	37.42
Operating Current(Imp/A)	7.90	7.85	7.79	7.74	7.67

NMOT* (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

Mechanical Parameters

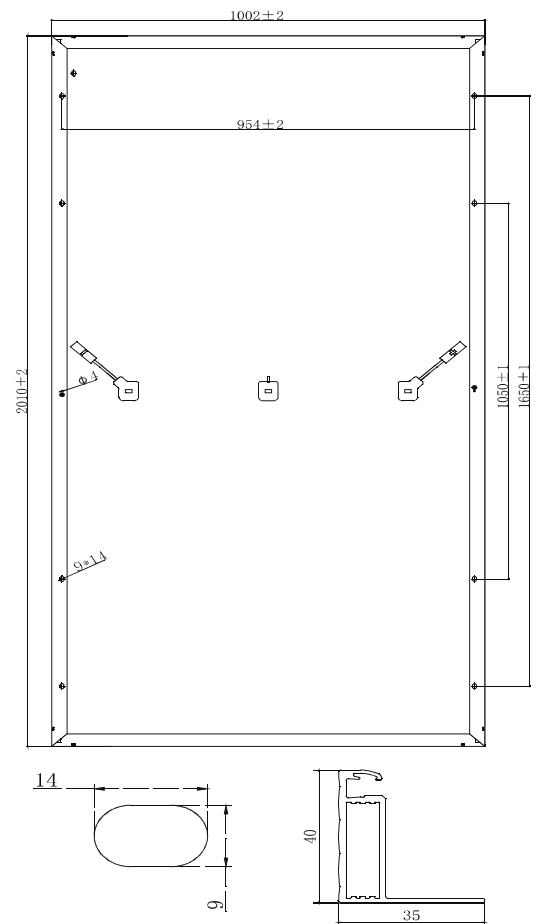
Cell size	Mono PERC 158.75×79.375mm
Module size	2010×1002×40mm(L×W×H)
Glass Thickness	3.2mm
Module Weight	22.2Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible

Temperature Coefficients

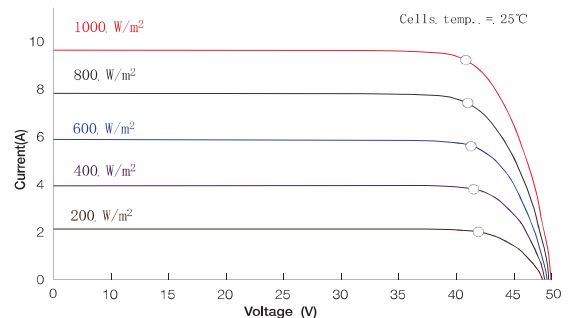
Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.31%/°C
Nominal Max. Power(Pmax)	-0.38%/°C
NMOT	43±2°C

Work Environmental Parameters

Max. System Voltage	DC1000V/DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	15A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Application Classification	Class A
Packing Specification	26 pcs/Pallet, 210 pcs/ 20'HQ; 572 pcs/ 40'HQ;



I-V curves under different irradiance degree



I-V curves

