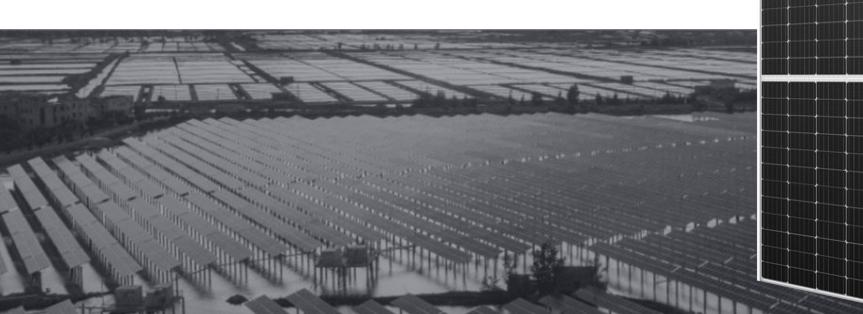
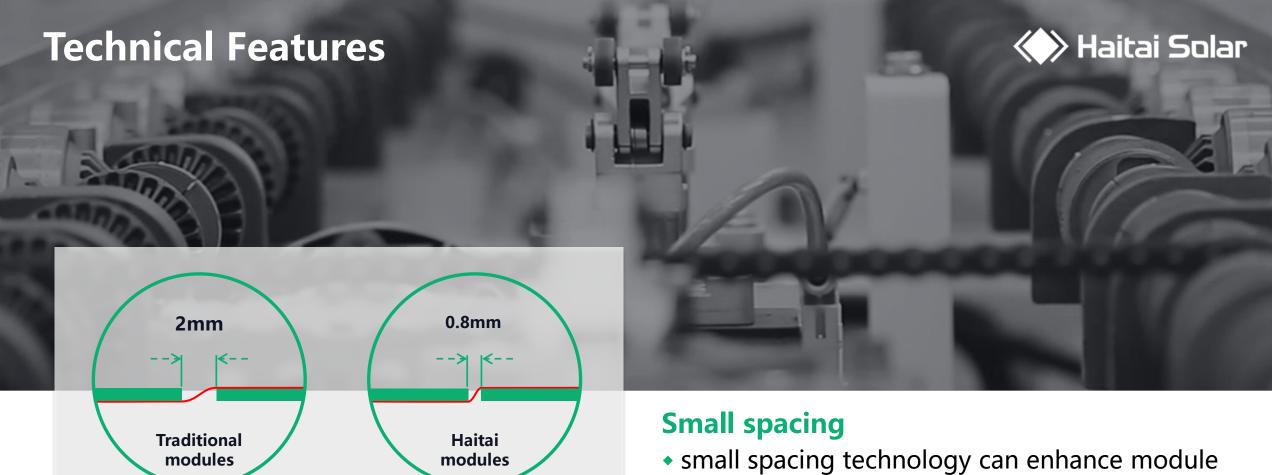
Production Distribution



Haitai Solar has been constantly innovating in the design of its products. Its reliable and efficient 210mm modules integrate mainstream cell efficiency technologies to meet the demands of different markets and customers.





• small spacing technology can enhance module capacity with a 0.2-0.3% increase in efficiency gain

Technical Features



Multi-busbar

MBB technology can mitigate the risk of invisible fissures and broken busbars and enhance optical gains and current collecting, enabling a 0.4-0.6% increase in module efficiency.



Non-destructive cutting

Non-destructive cutting can improve the mechanical strength of cells, limit the risk of invisible fissures and enhance module reliability.



Optimized design

Stiffener is added to significantly increase module loading.

Haitai Solar

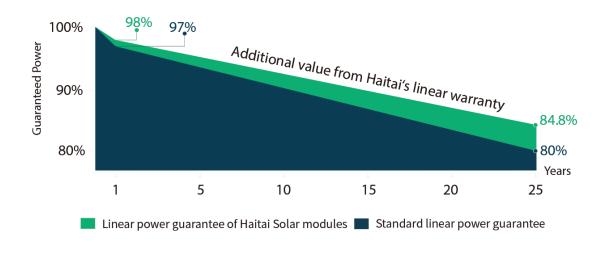


2.0%

Degradation of 2% in the first year

0.55%

Subsequently 0.55% year on year



Product Certification



All Haitai's product series have been placed on the list of 'Enterprises with Regulated Conditions in the PV Industry' released by the Ministry of Industry and Information Technology, and all its products have achieved certification from global entities such as TUV, CQC, UL, CSA, CEC, BIS, KS, INMETRO, SII, and MCS. Adhering to its operational philosophy of "focusing on quality and seeking technology-driven development," the company has been creative in product design in order to address the needs of various markets and customers.





































Product Quality Assurance - PID test

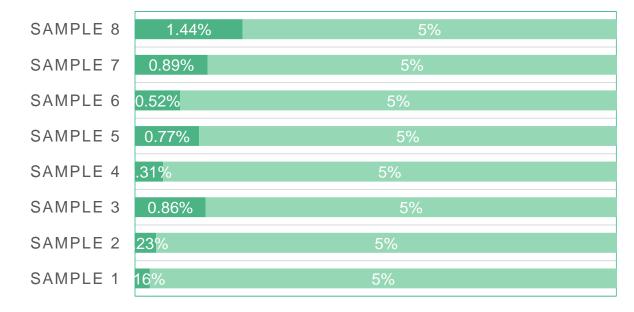


Monofacial and bifacial products all performed very well in TUV's PID96h test. Upon test completion, the average module degradation rate is shown to be 0.22% (monofacial) and 0.65% (bifacial), far exceeding IEC standards.

PID testing for monofacial mono products



PID TESTING FOR BIFACIAL MONO PRODUCTS



System Application-BOS savings



Modules	Mainstream Output	Number of Strings	Power of String	String Power Gains
210	660W	28	18.48 kW	58%
166	450W	26	11.7 kW	Baseline

16% Pile foundation	12% Mounting system	16% Cabling
53% Combiner box	32% Labou r cost	3% Land

Single string capacity increase (58%), BOS reduction (10.59 cents/W)

Inventory of Products Available



Modules	158.75-72	163.75-78	166-72	210-66
Maximum Power (W)	410	470	450	660
Module Efficiency (%)	20.38	20.93	20.7	21.25
Module Dimensions (mm)	2008*1002	2182*1029	2094*1038	2384*1303
Voltage at Maximum Power (V)	49.48	52.14	49.48	45.69
Serial number	24	24	26	28
Imp (A)	9.86	10.86	11.0	17.47
BOS reduction (Cents/W)	Baseline	-2.56	-3.2	-13.78

System Application - Inverters



210mm module-inverter compatibility is mainly governed by current. DC input current exceeding 20A can support string inverter operation.

Current at Maximum Power: 17.45A

Short Circuit Current: 18.53A

600W



Current at Maximum Power: 17.47A

Short Circuit Current: 18.52A

Inverter Type	Inverter Brand	Inverter Model	Number of MPPT	MPPT Input Current
Centralized	The 210mm module can be accommodated by the string design of the combiner box.			
	Sungrow	SG320HX	2-//	40 A
String	Huawei	SUN2000-196KTL-H3	4/5/5	100 A
	Sineng	SP-250K-H	2	40 A

System Application - Mounting System



Different regions have different ways of grouping due to varying temperatures and space available. Different mounting systems are chosen for different projects in design to avoid incompatibility.

Module Dimensions: 2172*1303*35

600W

670W

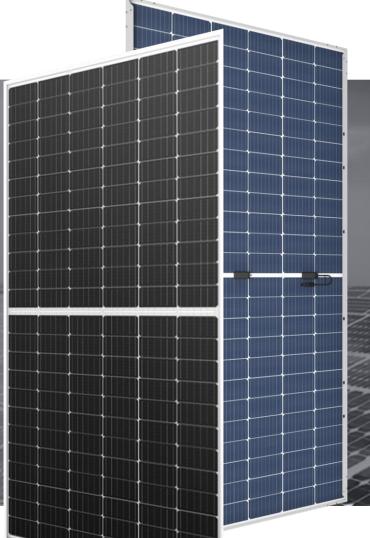
Module Dimensions: 2384*1303*35

Mounting System Type	Illustration
Fixed	All fixed mounting systems are designed to be compatible with 210mm modules.
Tracking	The tracking systems are available in various lengths. There are 72m,110m and extended lengths (up to 240m) for 1P. The most suitable tracking system models need to be selected to fit specific string arrangements in different regions.

应用场景







泰合 210

主流功率: 600-605/660-665W

尺寸: 2172*1303*35/2384*1303*35mm

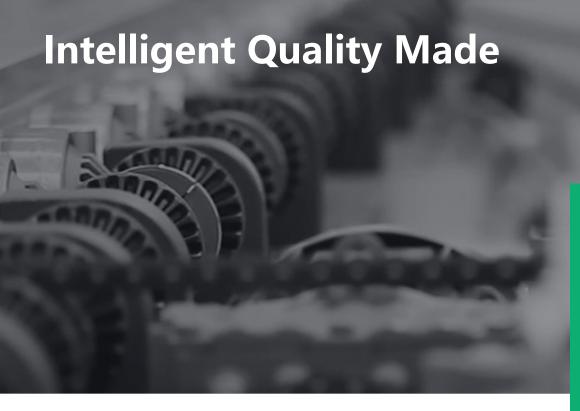
重量: 35.5kg/39kg

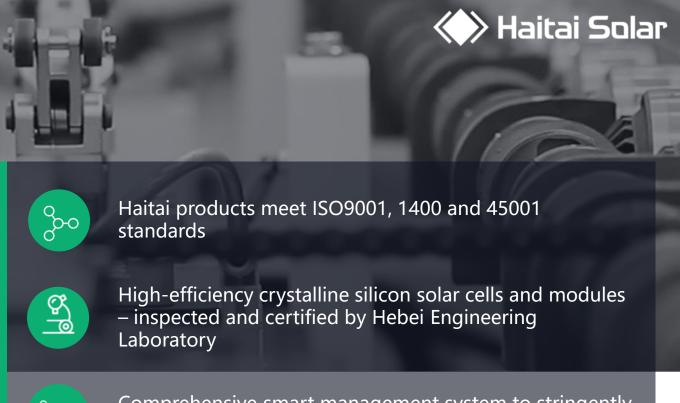
载荷: +5400Pa, -2400Pa

应用场景



地面电站等背面增益较高的场景





6S MES ERP

The use of digital, systematic, standardized manufacturing and leading-edge technology and advanced manufacturing process control ensure excellent quality of products



Comprehensive smart management system to stringently control the whole manufacturing cycle



Fully automated modular manufacturing enhances product reliability, with the use of digital, systematic and standardized leading-edge technology and advanced process control ensuring excellent product quality

Full Service Professional Team





Pre-sales support

professional pre-sales support, comprehensive support from product technology to system solution

02

After-sales service

dedicated service, customer first, professional 7x24h after-sales service

03

High quality standards

strict monitoring of production lines and product quality control to meet the demands of different customers.

Flexible response

In addition to its latest products, Haitai can also offer tailored versions of previous products, according to customers' special requests.

Comprehensive Service and Efficient Operation



Resource integration, quick response to customer requests, sound pre-sales support and after-sales service to speed up signing and shipment cycles.

Professional team

Sales

Marketing

Technical support/after-sales service

Operation management

Different customer needs

Distributors

EPCs

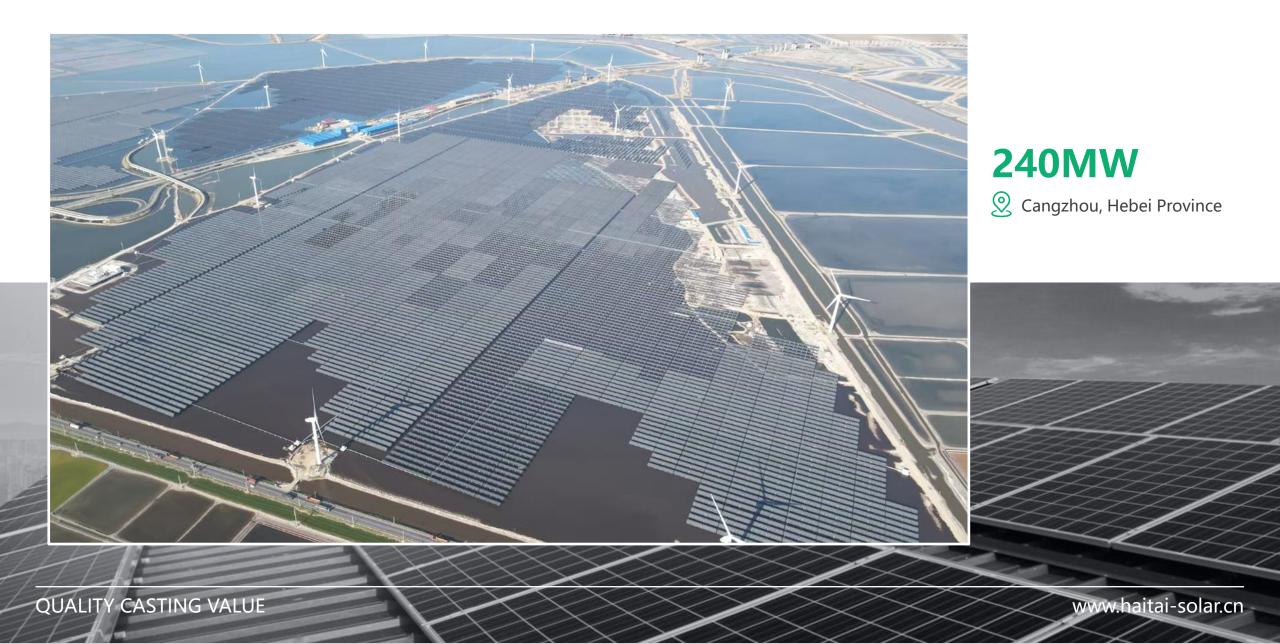
Installers

Developers

Retailers

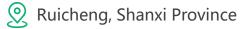
IPPs







130MW









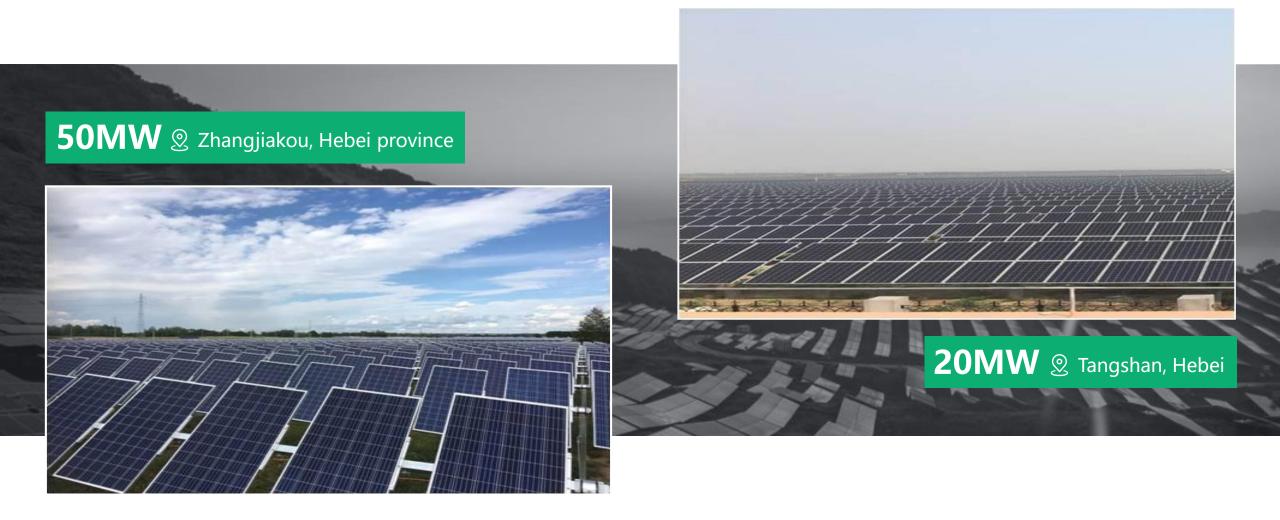












C&I Projects





4MW

② Jiangsu Kanion Pharmaceutical

QUALITY CASTING VALUE

www.haitai-solar.cn

C&I Projects









C&I Projects





Projects in Japan



Japan is a global, mature PV market, which has high requirements in terms of product quality and brand. Haitai Solar has been working in Japan for many years and its excellent product quality is fully recognised by the market.







