

HY-182DHMP144-550W HONYU SOLAR

10BB HALF-CELL Monocrystalline PERC PV Module

| 535W | 540W | 545W | 550W |



Excellent cells efficiency

MBB technology decreases the distance between busbar and finger grid line which is benefit to power increase.



Better Weak Illumination Response

More power output in weak light condition, such as haze, cloudy, and early morning.



Anti PID

Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



Adapt To Harsh Outdoor Environment

Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.



Excellent Quality Management System

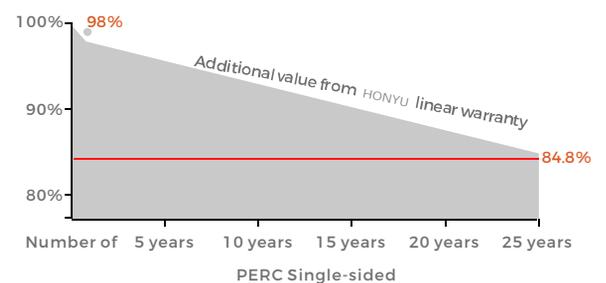
Warranted reliability and stringent quality assurances well beyond certified requirements.



About Honyu Solar

Honyu Solar is a leading international renewable energy company which is committed to establishing a global production chain of PV products and secure the supply of PV products around the world

WARRANTY



ELECTRICAL CHARACTERISTICS | STC*

Nominal Power Watt Pmax(W)*	535	540	545	550
Maximum Power Voltage Vmp(V)	41.51	41.67	41.83	41.99
Maximum Power Current Imp(A)	12.89	12.96	13.03	13.10
Open Circuit Voltage Voc(V)	49.36	49.52	49.68	49.84
Short Circuit Current Isc(A)	13.77	13.84	13.91	13.98
Module Efficiency (%)	20.7	20.9	21.1	21.3

*The data above is for reference only and the actual data is in accordance with the practical testing
 *STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2°C, AM 1.5
 *Measuring uncertainty: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

ELECTRICAL CHARACTERISTICS | NOCT*

Maximum Power Pmax(Wp)	393	397	401	404
Maximum Power Voltage Vmpp(V)	38.14	38.27	38.45	38.58
Maximum Power Current Impp(A)	10.31	10.37	10.42	10.48
Open Circuit Voltage Voc(V)	45.66	45.81	45.95	46.10
Short Circuit Current Isc(A)	11.10	11.16	11.21	11.27

*NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

MECHANICAL DATA

Solar cells	Mono PERC
Cells orientation	144 (6×24)
Module dimension	2278×1134×30 mm
Weight	32.2kg
Front Glass	AR-coating Semi-toughened glass, 2.0mm
Back Glass	Glazed & Semi-toughened glass, 2.0mm
Junction box	IP 68, 3 diodes
Cables	4 mm ² , 300 mm
Connectors	MC4-Compatible

TEMPERATURE RATINGS

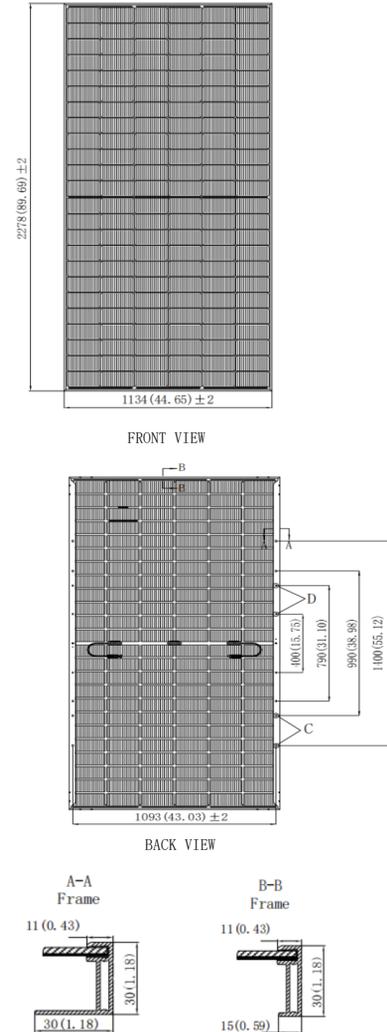
NMOT	44°C ±2°C	Maximum system voltage	1500 V DC
Temperature coefficient of Pmax	-0.35%/°C	Operating temperature	-40°C~+85°C
Temperature coefficient of Voc	-0.29%/°C	Maximum series fuse	30A
Temperature coefficient of Isc	0.05%/°C	Front Side Maximum Static Loading	Up to 5400 Pa
		Rear Side Maximum Static Loading	Up to 2400 Pa

*Remark: Do not connect Fuse in Combiner Box with two or more strings in parallel connection
 *Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.
 *Caution: Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

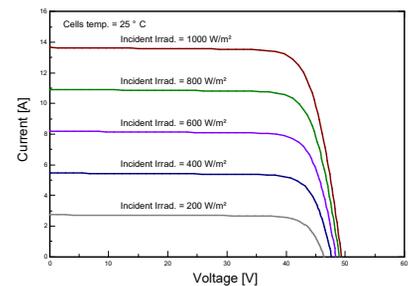
PACKAGING CONFIGURATION

Dimensions(L×W×H)	2310×1110×1253mm
Quantity per pallet	36 pcs
Container 20'	180
Container 40'	360
Container 40'HC	720

Note:mm (inch)



I-V CURVES OF PV MODULE(545W)



P-V CURVES OF PV MODULE(545W)

