

HONYU SOLAR



HY-182DHMN132-540W

HY-182DHMN132-540W HY-182DHMN132-535W

HY-182DHMN132-530W HY-182DHMN132-525W

HY-182DHMN132-520W HY-182DHMN132-515W

540W

Highest power output

22.74%

Module efficiency

1.0%

First-year degradation warranty

0.4%

Annual degradation over 30 years

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

KEY FEATURES

TOPcon TOPcon technology



Higher output power



MBB technology with Circular Ribbon



Positive tolerance offer



Bifacial cells, converting more sunlight into electricity



Better shading tolerance

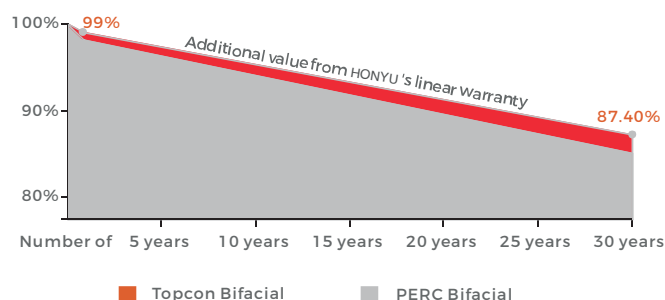


Better temperature coefficient



Lower LCOE

WARRANTY



Electrical Characteristics at Standard Test Conditions(STC)

Module Type	HY-182DHMN132-540W	HY-182DHMN132-535W	HY-182DHMN132-530W	HY-182DHMN132-525W	HY-182DHMN132-520W	HY-182DHMN132-515W
Maximum Power - Pmax (W)	540	535	530	525	520	515
Open Circuit Voltage - Voc (V)	47.45	47.25	47.05	46.85	46.65	46.45
Short Circuit Current - Isc (A)	14.53	14.47	14.41	14.35	14.29	14.23
Maximum Power Voltage - Vmpp (V)	38.37	38.17	37.97	37.77	37.57	37.37
Maximum Power Current - Imp (A)	14.08	14.02	13.96	13.90	13.84	13.78
Module Efficiency	22.74%	22.53%	22.32%	22.11%	21.90%	21.69%

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1.5; module temperature 25°C. Pmax Sorting : 0~5W. Measuring Tolerance: ±3%.
Remark: Electrical data do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Electrical Characteristics with different rear side power gain(reference to 530 front)

Pmax (W)	Voc (V)	Isc (A)	Vmpp (V)	Imp (A)	Pmax gain
557	47.63	14.49	40.34	13.80	5%
583	47.63	15.18	40.34	14.45	10%
635	47.71	16.56	40.26	15.77	20%
661	47.71	17.25	40.26	16.43	25%

Material Characteristics

Dimensions	2094×1134×30/35mm (L×W×H) 82.44*44.65*1.18 inches (L×W×H)
Weight	29.2kg / 64.34lbs
Frame	Silver anodized aluminum profile
Front Glass	AR-coating Semi-toughened glass, 2.0mm
Back Glass	Glazed & Semi-toughened glass, 2.0mm
Cells	11×12 pcs mono solar cells series strings
Junction Box	IP68, 3 diodes
Cable	Potrait: 300 mm (cable length can be customized), 1×4 mm² or 12AWG, Connector: MC4 compatible

System Design

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	30
Bifaciality	70%±10%
Fire Rating	Class C for IEC and TYPE 29 for US
Protection Class	Class II
Temperature Range	-40 °C to + 85 °C
Maximum Surface Load	+5400/-2400 Pa +113/-50 psf
Application class	class A
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

Packaging

Dimensions(L×W×H)	2126×1110×1253mm / 83.70*43.70*49.33inches
Quantity per pallet	36 /31 pcs
Container 20'	180/155
Container 40'	396 /341
Container 40'HC	792/682

Temperature Characteristics

NOCT	45°C(±2°C)
Voltage Temperature Coefficient	-0.26%/°C
Current Temperature Coefficient	+0.046%/°C
Power Temperature Coefficient	-0.30%/°C

Dimensions

