

TOPCon



HONYU SOLAR

HY-210DHMN132-710w 690-710W

TOPCon

Bifacial Module

22.90%

Maximum Efficiency

15 YEARS

Product Warranty



Higher Power Output

Higher module conversion efficiency benefit from bigger wafer and half-cell structure.

MBB technology enhances current collection with lower series resistance.



Excellent Temperature Coefficient

Lower operating temperature and temperature coefficient increases the power output.



Long-Term Reliability

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal).

Excellent anti-PID performance to guarantee a better sustainability in harsh environment.

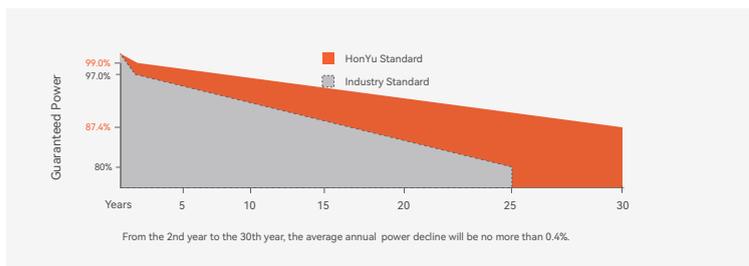


Lower Hot Spot and Crack Risk

Reduce hot-spot risk with optimized electrical design and lower operating current.

Reduce crack risk by MBB solar cell design.

Power Warranty



15-year product warranty



30-year linear power output warranty

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

Electrical Characteristics

Module Type	HY-210DHMN120-690W		HY-210DHMN120-695W		HY-210DHMN120-700W		HY-210DHMN120-705W		HY-210DHMN120-710W	
	STC	NMOT								
Maximum Power (Pmax)	690	527	695	530	700	534	705	538	710	542
Maximum Power Voltage (Vmp)	40.00	37.50	40.20	37.70	40.40	37.90	40.60	38.10	40.80	38.30
Maximum Power Current (Imp)	17.25	14.04	17.29	14.07	17.33	14.10	17.37	14.13	17.41	14.16
Open-circuit Voltage (Voc)	47.80	45.30	48.00	45.50	48.20	45.70	48.40	45.90	48.60	49.10
Short-circuit Current (Isc)	18.26	14.71	18.30	14.74	18.34	14.77	18.38	14.81	18.42	14.85
Module Efficiency(%)	22.21%		22.37%		22.53%		22.70%		22.86%	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: 0 ~ +5W

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

Electrical Characteristics with 10% Solar Irradiation Ratio

Module Type	HY-210DHMN120-690W	HY-210DHMN120-695W	HY-210DHMN120-700W	HY-210DHMN120-705W	HY-210DHMN120-710W
Maximum Power (Pmax)	759	764	770	775	781
Maximum Power Voltage (Vmp)	40.00	40.20	40.40	40.60	40.80
Maximum Power Current (Imp)	18.98	19.01	19.06	19.09	19.15
Open-circuit Voltage (Voc)	47.80	48.00	48.20	48.40	48.60
Short-circuit Current (Isc)	20.11	20.12	20.16	20.17	20.21

Mechanical Parameters

Solar Cells	Monocrystalline (210mm)
Module Dimensions	2384*1303*33mm
Glass	2mm-2mm
Frame	Anodized Aluminium Alloy
Output Cable	4.0mm ² , 300/300mm

No. of Cells	132 [2 x (11 x 6)]
Weight	38.7kg
Encapsulant Material	EVA/POE
J-Box	IP68
Connector	MC4 Compatible

Temperature Ratings

NMOT (Nominal operating cell temperature)	43°C(±2°C)
Temperature Coefficient of Pmax	-0.310%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	+0.040%/°C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

Operating Parameters

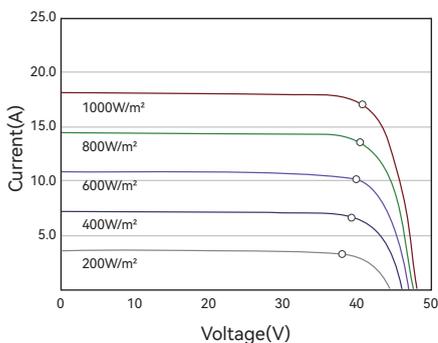
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	35A
Bifacility	80%~85%

Packaging

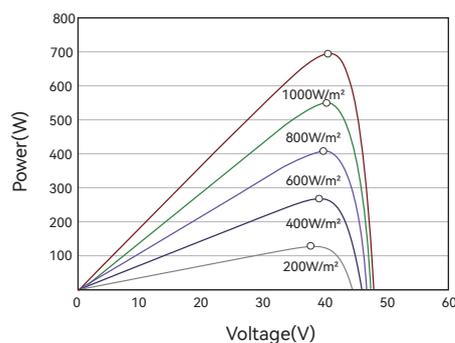
Pcs per Pallet: 33

Pcs per 40' HC: 594

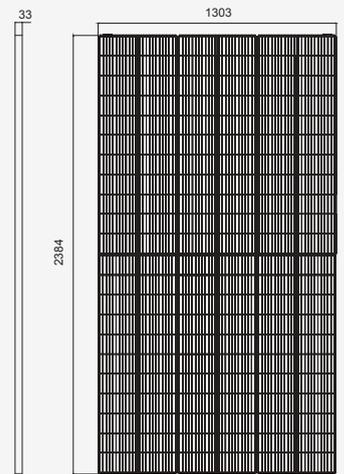
I-V Curves of PV Module (695W)



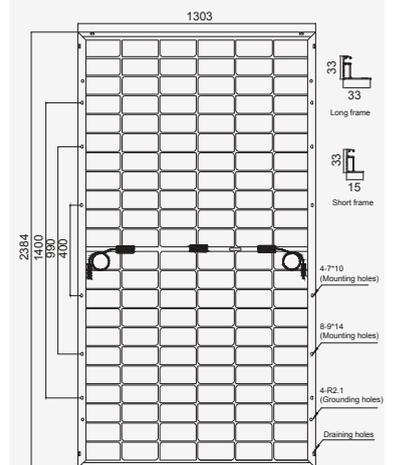
P-V Curves of PV Module (695W)



Dimensions (Unit: mm)



Front View



Back View