HENERGY SOLAR
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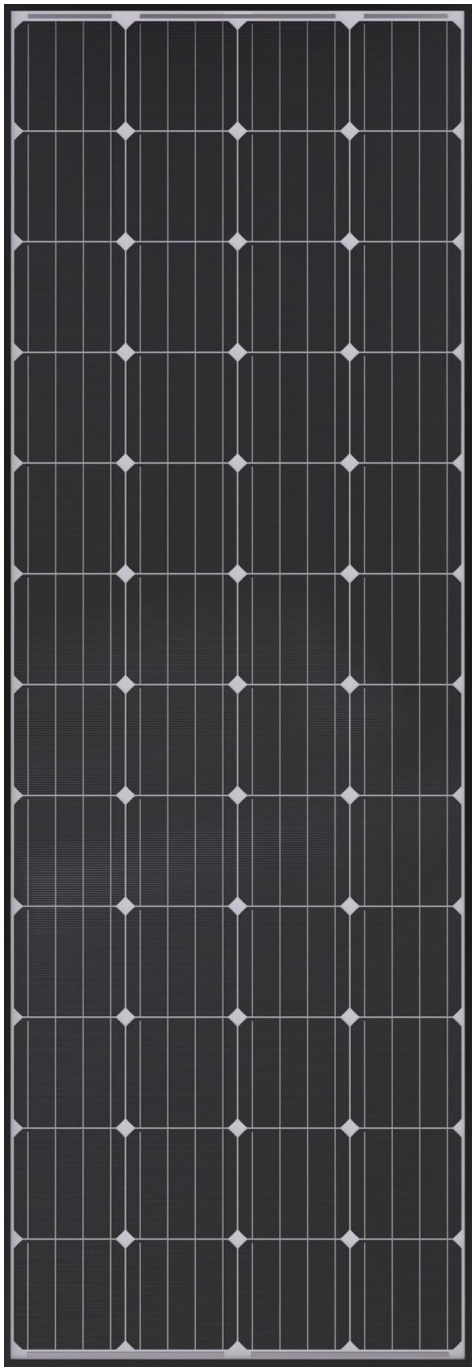
215 Watt

48 Cell Monocrystalline Module



Features

Ultra-light: Through replacement of the glass and optimization of the frame weighs as 70% less than conventional PV panels.

Aesthetics: Aesthetically pleasing design with patented materials and sophisticated manufacturing process results in a high-efficiency, attractive panel, with no light pollution and high levels of safety.

Easy Installation: It can reduce installation cost significantly through the use of re-engineered components, ease of handling and faster in-stallation.

No-glass: No fragile glass design lead to PID-free and more safety in handling, transportation, installation and operation.

Transportation: Its innovative frame and low weight will very significantly reduce the cost of transportation.

Deployment: Ultra-light weight and customizable size make it the best choice to change the way how solar is deployed in the market and bring added value to special applications.

Durability: The panels are certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal), while special materials and stringent quality control ensure panel longevity.

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty

210-215 W

POWER OUTPUT RANGE

0-5 W

POWER TOLERANCE

www.cnpvsolar.com

HSFSP215M-4X12

HSFSP210M-4X12

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Electrical Characteristics

STC	HSFSP215M-4X12	HSFSP210M-4X12
Maximum Power (P_{max})	215	210
Maximum Power Voltage (V_{mp})	25.7	25.4
Maximum Power Current (I_{mp})	8.37	8.27
Open-circuit Voltage (V_{oc})	31.0	30.8
Short-circuit Current (I_{sc})	8.83	8.73
Module Efficiency (%)	16.5	16.2
Operating Temperature (℃)	-40 ℃ to 85 ℃	
Maximum System Voltage	600 V DC (IEC)	
Maximum Series Fuse Rating	20 A	
Application Class	Class A	
Power Tolerance	0/+5 W	

STC: Irradiance 1000W/m^2, Cell temperature 25℃, AM=1.5.

NOCT	HSFSP215M-4X12	HSFSP210M-4X12
Maximum Power (P_{max})	160	156
Maximum Power Voltage (V_{mp})	23.6	23.4
Maximum Power Current (I_{mp})	6.78	6.67
Open-circuit Voltage (V_{oc})	28.8	28.6
Short-circuit Current (I_{sc})	7.11	7.00

NOCT: Irradiance 800W/m^2, Ambient temperature 20℃,Wind speed 1 m/s.

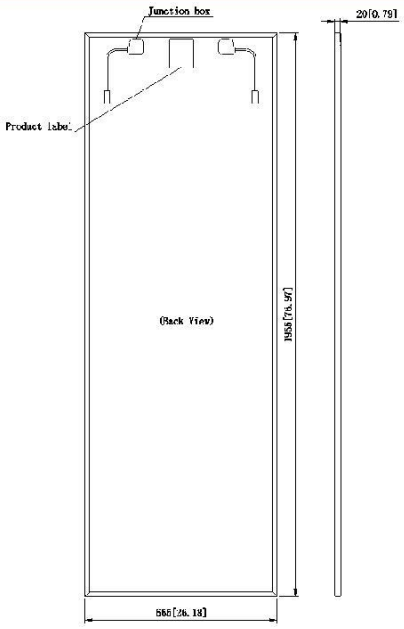
Mechanical Characteristics

Solar Cell	Monocrystalline silicon (6 inches)
No. of Cells	48 (4 × 12)
Module Dimensions	1955×665×20 mm (77.0×26.2×0.8 inch)
Weight	5.2 kgs (11.5 lbs)
Backsheet	White
Frame	Black Anodized Aluminium Alloy
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm^2, (+)150 / (-)450 mm
Connector	MC4 compatible

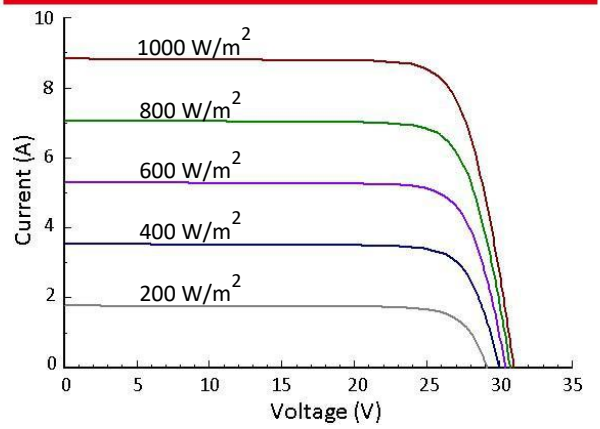
Packaging Configuration

	20' GP	40' HC
Module per pallet	50	50
Pieces per container	500	1800

Dimensions



I-V Curve (215)



Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45±2 ℃
Temperature Coefficient of Pmax	-0.42 %/℃
Temperature Coefficient of Voc	-0.31 %/℃
Temperature Coefficient of Isc	0.050 %/℃

Dealer Information:

HS_IEC_EN _2018A

CAUTION: Read installation manual before using the product.