

POLYCRYSTALLINE SILICON SOLAR PANEL DOUBLE FOLDING SERIES



MECHANICAL PARAMETERS

Solar Cell	Polycrystalline Silicon
Front Face	Tempered Glass 3.2 mm (Low Iron)
Encapsulation	Ethylene Vinyl Acetate (EVA)
Back Cover	Tedlar-Polyester-Tedlar (TPT)
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated with Diodes
Cable	5M Solar Cables
Connector	Alligator Clip or Anderson Connector

TEMPERATURE RATINGS

Nominal Operating Cell Temperature	47°C ±2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.06%/°C

PERFORMANCE UNDER STANDARD TEST CONDITION (STC)*

Model (Polycrystalline)	Power (W)	Solar Panel Size (MM)	Folding Size (MM)	Packing Size (MM)	Weight/PC (KG)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Accessories
HN-2FSP-40P	40	410× 345× 35	415× 75× 365	450× 105× 405	4.2	18.2	2.20	22.4	2.36	5M 16 AWG Cable & 10A Solar Charger
HN-2FSP-60P	60	610× 345× 35	615× 75× 365	650× 105× 405	5.6	18.2	3.30	22.4	3.54	
HN-2FSP-80P	80	535× 500× 35	540× 75× 520	575× 105× 560	7.0	18.2	4.40	22.4	4.72	
HN-2FSP-100P	100	655× 500× 35	660× 75× 520	695× 105× 560	8.4	18.2	5.50	22.4	5.91	
HN-2FSP-120P	120	770× 500× 35	775× 75× 520	810× 105× 560	10.1	18.2	6.60	22.4	7.08	5M 14 AWG Cable & 15A Solar Charger
HN-2FSP-140P	140	680× 670× 35	685× 75× 690	720× 105× 730	11.5	18.2	7.70	22.4	8.27	
HN-2FSP-160P	160	765× 670× 35	770× 75× 690	805× 105× 730	12.7	18.2	8.80	22.4	9.44	
HN-2FSP-180P	180	855× 670× 35	860× 75× 690	895× 105× 730	14.1	18.2	9.90	22.4	10.62	
HN-2FSP-200P	200	945× 670× 35	950× 75× 690	985× 105× 730	15.5	18.2	10.99	22.4	11.80	

*STC:Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

WORKING CONDITIONS

Maximum System Voltage	DC 600 V
Operating Temperature	-40 °C ~ +85 °C
Maximum Series Fuse	15 A
Application Class	Class A
Fire Rating	Class C

ACCESSORIES

Smart solar controller build in junction box	* 1PC
5 M solar cable with alligator clip	
User Manual	* 1PC
Portable backpack	* 1 PC
Others accessories requirements	is acceptable

PERFORMANCE WARRANTY

- 10 years for product defects in material & workmanship.
- At least 90% of minimal rated power output in 10 years.
- At least 80% of minimal rated power output in 25 years.



WARNING:

Modules generates electricity when expose to sunlight.
Be careful of dangerous high DC voltage while connecting connectors.

