

MONOCRYSTALLINE SILICON SOLAR PANEL DOUBLE FOLDING SERIES



MECHANICAL PARAMETERS

Solar Cell	Monocrystalline 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 (Monocrystalline)	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-40M	40	410× 345× 35	415× 75× 365	430× 115× 385	4.3	17.8	2.25	22.0	2.50	5M 16 AWG Cable & 10A Solar Charger
HN-2FSP-60M	60	635× 345× 35	640× 75× 365	655× 115× 385	6.0	17.8	3.37	22.0	3.75	
HN-2FSP-80M	80	535× 500× 35	540× 75× 520	555× 115× 540	7.3	17.8	4.50	22.0	5.00	
HN-2FSP-100M	100	690× 500× 35	695× 75× 520	710× 115× 540	8.8	17.8	5.62	22.0	6.24	
HN-2FSP-120M	120	765× 500× 35	770× 75× 520	785× 115× 540	10.2	17.8	6.75	22.0	7.50	5M 14 AWG Cable & 15A Solar Charger
HN-2FSP-140M	140	640× 660× 35	645× 75× 680	660× 115× 700	11.8	17.8	7.87	22.0	8.74	
HN-2FSP-160M	160	765× 660× 35	770× 75× 680	785× 115× 700	13.2	17.8	8.99	22.0	9.99	
HN-2FSP-180M	180	840× 660× 35	845× 75× 680	860× 115× 700	14.6	17.8	10.12	22.0	11.24	
HN-2FSP-200M	200	930× 660× 35	935× 75× 680	950× 115× 700	15.5	17.8	11.24	22.0	12.48	

*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.

