

MONOCRYSTALLINE SILICON SOLAR PANEL TRIPLE 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-3FSP-60M	60	370× 345× 35	350× 115× 390	385× 145× 430	5.5	18.6	3.23	22.8	3.46	5M 16 AWG Cable & 10A Solar Charger
HN-3FSP-90M	90	550× 345× 35	350× 115× 570	385× 145× 610	7.3	18.6	4.84	22.8	5.20	
HN-3FSP-120M	120	480× 500× 35	505× 115× 500	540× 145× 540	9.4	18.6	6.46	22.8	6.93	5M 14 AWG Cable & 15A Solar Charger
HN-3FSP-150M	150	585× 500× 35	505× 115× 605	540× 145× 645	11.2	18.6	8.07	22.8	8.67	
HN-3FSP-180M	180	690× 500× 35	505× 115× 710	540× 145× 750	13.6	18.6	9.68	22.8	10.40	

*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.

