



KEY FEATURES



MULTI BUSBAR TECHNOLOGY

Better light trapping and current collection to improve power and reliability.



REDUCED HOT SPOT LOSS

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



PID RESISTANCE

Excellent Anti-PID performance guarantee via production and materials control.



DURABILITY AND WATER PROOF

Constructed with a durable and waterproof outer layer to protect the solar charger performance.



ULTRATHIN & LIGHT WEIGHT

Ultrathin panel is easy to carry and is ideal for outdoor emergency power supply.



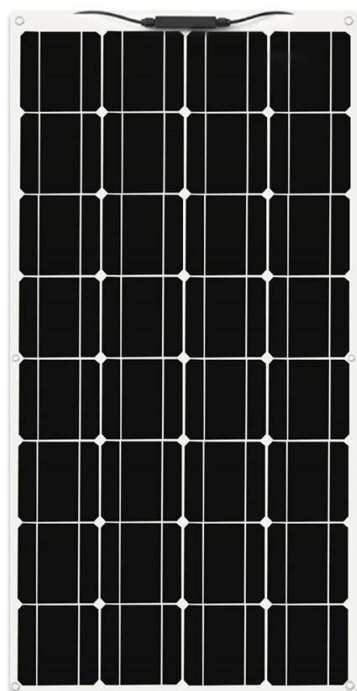
Monocrystalline Perc Cell Semi-Flexible Solar Panel

22.50%
MONOCRYSTALLINE
PERC CELL EFFICIENCY

0~+5W
POWER
TOLERANCE

30°
PRODUCT
TORTUOSITY

2 Years
PRODUCT
WARRANTY



Pre-drilled holes on panels for fast mounting with Corrosion Test



Junction box with diodes, make charging safer



Safety MC4 connector with a pair of 31 inches cables

Mechanical Parameters

Cell Type	Monocrystalline PERC Cell
Surface Sheet	PET/ETFE Glossy & Matt Optional
Encapsulation	Ethylene Vinyl Acetate (EVA)
Backsheet	White/Black Ageing Resistance TPT Film
Junction Box	Protection Class IP67, Front or Back Optional
Connector	MC4 Connector
Cable	TÜV 1×4.0mm ² , length can be customized
Packaging	2pcs/4pcs/5pcs/10pcs Per Carton

Operating Parameters

Maximum System Voltage	600 Vdc (IEC)
Maximum Series Fuse Rating	15A
Power Output Tolerance	0 ~ + 5W
Application Class	Class A
Operating Temperature	-40°C~+85°C

Electrical Characteristics

Model	Power (Wp)	Solar Cell Array	Size: MM (L x W x H)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	System Voltage	Weight (KG)
HM-FLX-10	10	1*12=12	350*175*2.5	6.0	1.67	7.2	1.83	5V	0.18
HM-FLX-10	10	1*36=36	380*180*2.5	18.0	0.56	21.6	0.62	12V	0.20
HM-FLX-20	20	2*18=36	350*340*2.5	18.0	1.12	21.6	1.22	12V	0.35
HM-FLX-30	30	2*18=36	540*340*2.5	18.0	1.67	21.6	1.85	12V	0.60
HM-FLX-40	40	3*12=36	530*500*2.5	18.0	2.22	21.6	2.42	12V	0.80
HM-FLX-50	50	3*11=33	525*515*2.5	18.0	2.77	21.6	3.05	12V	0.85
HM-FLX-60	60	3*12=36	690*500*2.5	18.0	3.34	21.6	3.67	12V	1.05
HM-FLX-70	70	3*11=33	665*525*2.5	18.0	3.89	21.6	4.26	12V	1.10
HM-FLX-80	80	3*11=33	815*525*2.5	18.0	4.45	21.6	4.87	12V	1.30
HM-FLX-100	100	3*11=33	970*530*2.5	18.0	5.56	22.0	5.98	12V	2.00
HM-FLX-120	120	3*11=33	1055*575*2.5	18.0	6.67	22.0	7.17	12V	1.90
HM-FLX-150	150	3*12=36	1310*575*2.5	18.6	8.07	22.0	8.74	12V	2.40
HM-FLX-160	160	3*11=33	1210*660*2.5	18.6	8.60	22.0	9.57	12V	2.50
HM-FLX-180	180	4*9=36	1000*870*2.5	19.5	9.24	23.4	10.10	12V	3.20
HM-FLX-210	210	4*9=36	1550*695*2.5	19.5	10.77	23.4	11.80	12V	3.40

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

Temperature Ratings(STC)

Temperature Coefficient (Pm)	-0.370%/°C
Temperature Coefficient (Voc)	-0.280%/°C
Temperature Coefficient (Isc)	0.048%/°C



WARNING:

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



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Due to continuous innovation, R & D and product improvement, Hinergy has the right to adjust the specs on this datasheet at any time without prior notice.