

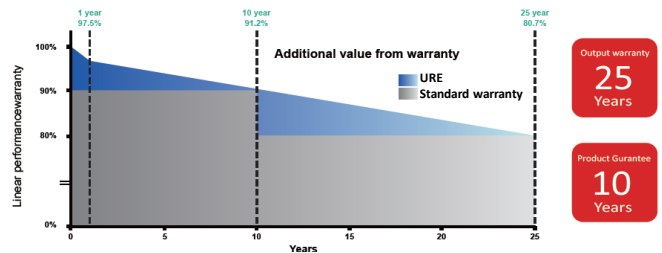


F7M_H7A

305W – 325W

Half-cut cell Mono-Crystalline PV Module

Reliability with Warranty



Key Features



Positive power tolerance
+0 ~ +4.99 watt



100% EL inline inspection
Better module reliability



Withstand heavy loading
front load 5400 Pa & rear load 2400 Pa



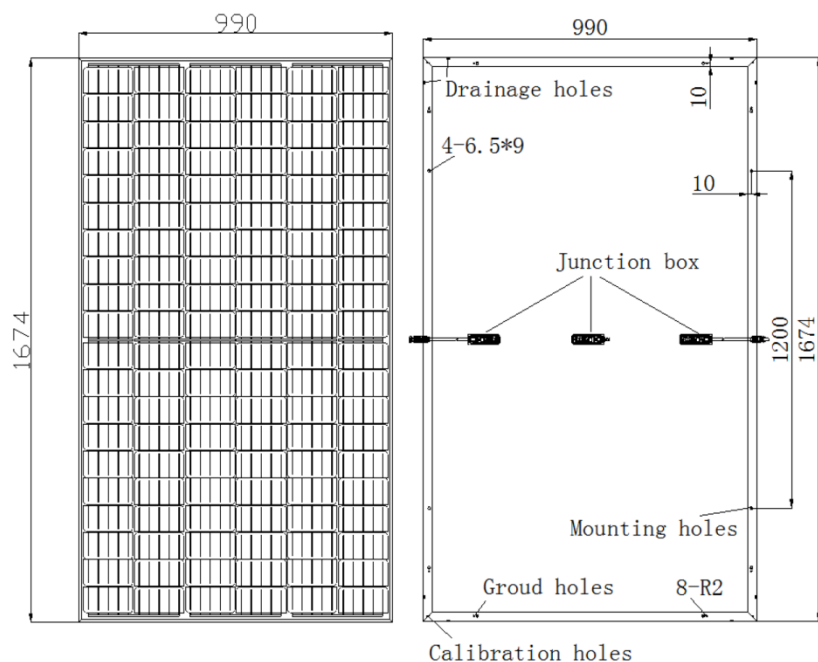
Ammonia resistance



APPROVED PRODUCT



Half-cut cell Mono-Crystalline PV Module



Electrical Characteristics

STC	F7M305H7A	F7M310H7A	F7M315H7A	F7M320H7A	F7M325H7A
P _{max} (W)	305	310	315	320	325
V _{mp} (V)	33.05	33.34	33.59	33.83	33.97
I _{mp} (A)	9.23	9.30	9.38	9.46	9.57
V _{oc} (V)	39.55	39.78	40.03	40.35	40.58
I _{sc} (A)	9.69	9.77	9.86	9.94	10.03
Module efficiency (%)	18.4	18.7	19.0	19.3	19.6
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	15				
Power tolerance (%)	0~+3				
Temperature coefficient	P _{max} (%/°C)	-0.390			
	I _{sc} (%/°C)	0.039			
	V _{oc} (%/°C)	-0.295			

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

NOCT	F7M305H7A	F7M310H7A	F7M315H7A	F7M320H7A	F7M325H7A
P _{max} (W)	226	229	233	237	241
V _{mp} (V)	32.85	33.15	33.43	33.67	33.95
I _{mp} (A)	6.88	6.91	6.97	7.04	7.10
V _{oc} (V)	36.67	36.96	37.28	37.45	37.66
I _{sc} (A)	7.93	7.99	8.04	8.12	8.18
Power tolerance (%)	±3%				

NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Mechanical Characteristics

Number of cells (pcs)	120
Size of cell (mm)	156.75*78.375
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP67
Size of module (mm)	1674*990*35
Weight (kg)	17.5
Cables/connectors	PV1-F,4mm ² , MC4 compatible

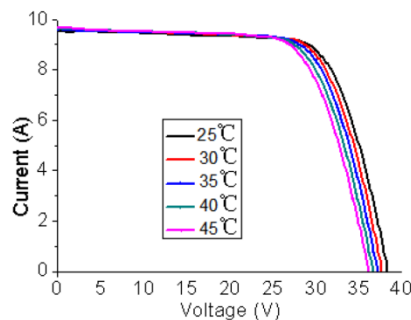
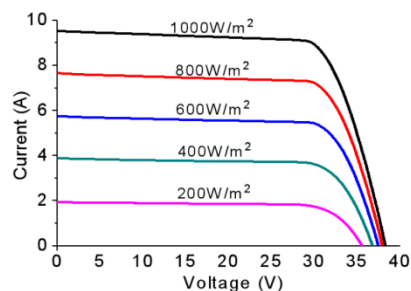
Maximum Ratings

Operating Temperature(°C)	-40~85
Operating Humidity(%)	5~85
Allowable Hail Load	25mm ice-ball with velocity of 23m/s

Packing Configuration

Pieces per pallet	30
Size of packing (mm)	1714*1120*1140
Weight of packing (kg)	570
Pieces per container	780
Size of container	40' HC

I-V Curves



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