



# URE

United Renewable Energy Co., Ltd.

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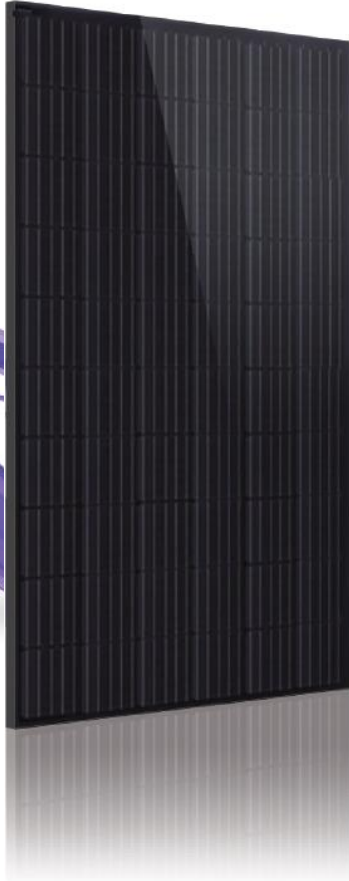


F2M\_H3A / 60 cells

295W – 315W

**Mono-Crystalline PV Module (black)**

URE Power series module uses URE own high efficiency mono crystalline solar cells, and advanced module manufacturing experiences.



## 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



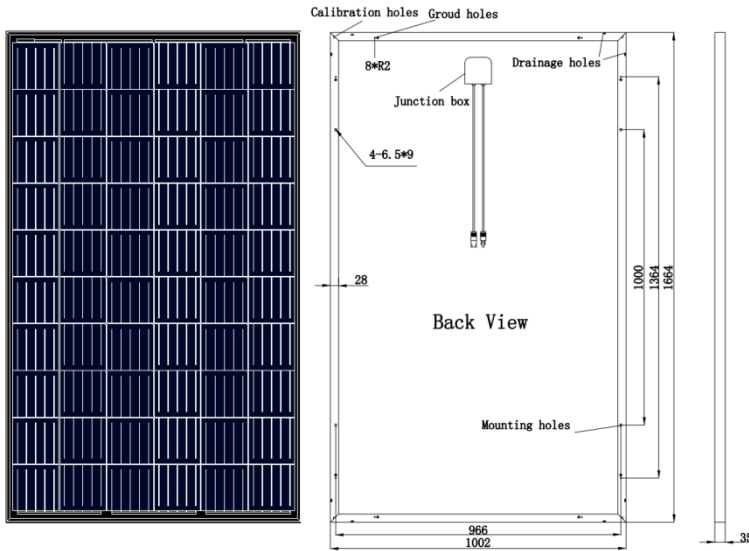
Ammonia resistance



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### Mechanical Characteristics

Number of cells (pcs)	60
Size of cell (mm)	158.75*158.75
Type of cell	Mono
Thickness of glass (mm)	3.2
Type of frame	Anodized aluminum alloy
Junction box	IP67
Size of module (mm)	1664*1002*35
Weight (kg)	18.9
Cables/connectors	4mm <sup>2</sup> , 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)	1700*1120*1150
Weight of packing (kg)	613
Pieces per container	780
Size of container	40' HC

### Electrical Characteristics

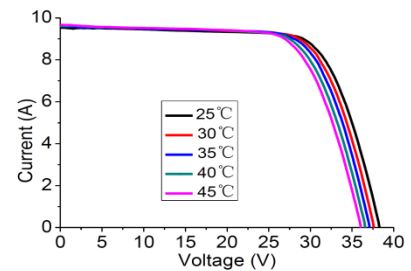
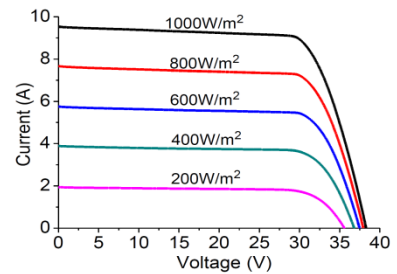
STC	F2M295H3A	F2M300H3A	F2M305H3A	F2M310H3A	F2M315H3A
Pmax (W)	295	300	305	310	315
Vmp (V)	31.42	31.65	31.88	32.10	32.31
Imp (A)	9.39	9.48	9.57	9.66	9.75
Voc (V)	39.25	39.48	39.71	39.93	40.14
Isc (A)	9.83	9.92	10.01	10.10	10.19
Module efficiency (%)	17.69	17.99	18.29	18.59	18.89
Maximum system voltage (V)	1000				
Fuse Rating Current (A)	15				
Power tolerance (%)	0~+3				
Temperature coefficient	Pmax (%/°C)	-0.390			
	Isc (%/°C)	0.039			
	Voc (%/°C)	-0.295			

STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5

NOCT	F2M295H3A	F2M300H3A	F2M305H3A	F2M310H3A	F2M315H3A
Pmax (W)	218	222	226	230	233
Vmp (V)	28.80	29.06	29.32	29.53	29.65
Imp (A)	7.57	7.64	7.71	7.79	7.86
Voc (V)	35.98	36.25	36.52	36.73	36.84
Isc (A)	7.92	8.00	8.07	8.14	8.21
Power tolerance (%)	±3%				

NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

### I-V Curves



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