



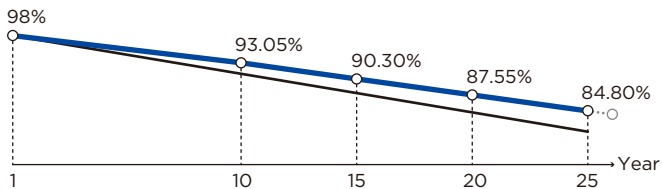
DHM-54X10/FS  
**390~420W**

**Full Screen** *NO RESIDUE OF WATER & DUST*

Silver Frame or Full Black design are customizable >>>

**Quality Guarantee**

- 12-year → Material & technology warranty
- 25-year → Linear power output warranty



- DAH Solar Linear power output guarantee
- Standard Linear power output guarantee

**Comprehensive Products & System Certificates**



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO  
ISO 45001: 2018/International standards for occupational health & safety  
ISO 14001: 2015/Standards for environmental management system  
ISO 9001: 2015/Quality management system



Increase power generation by 6.15%+  
Panel is capable to decrease power generation loss caused by Dust, reduce the hot spot risk.



Curved Surface 128° R Angle  
Reduce holding pressure by 75%+  
Curved Frame with ergonomic Design, optimized Delivery and Installation Experience.



Revolutionary Packaging Technology  
Using excellent frame packaging technology,  
Strong Adhesion, Durable in Use.



Excellent mechanical load capacity  
Certified by Dust-Sand, Salt-Mist, Ammonia etc.  
weather resistance tests and enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal).

# DHM-54X10/FS

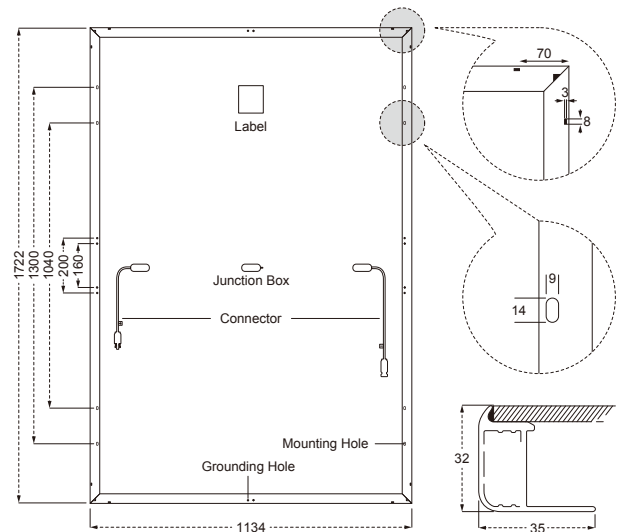
# 390~420W



## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/400mm in length,
(Including connector)	length can be customized
No.of Cells	108 (6×18)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
<b>Weight</b>	<b>22kg</b>
<b>Cells Type</b>	<b>Mono 182×91mm</b>
<b>Dimension (L×W×T)</b>	<b>1722×1134×32mm</b>
<b>Packing</b>	<b>34pcs/pallet, 884pcs/40HQ</b>

## Design



## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## STC — Electrical Characteristics

Module Type	DHM-54X10/FS						
Maximum Power (Pmax/W)	390	395	400	405	410	415	420
Open-circuit Voltage (Voc/V)	36.4	34.6	36.8	37.0	37.2	37.4	37.6
Maximum Power Voltage (Vmp/V)	30.9	31.1	31.3	31.5	31.7	31.9	32.1
Short-circuit Current (Isc/A)	13.40	13.42	13.48	13.54	13.60	13.66	13.72
Maximum Power Current (Imp/A)	12.60	12.69	12.77	12.85	12.92	13.00	13.07
Module Efficiency (%)	19.97	20.23	20.48	20.74	21.00	21.25	21.51

Power Tolerance: 0~+5, W Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

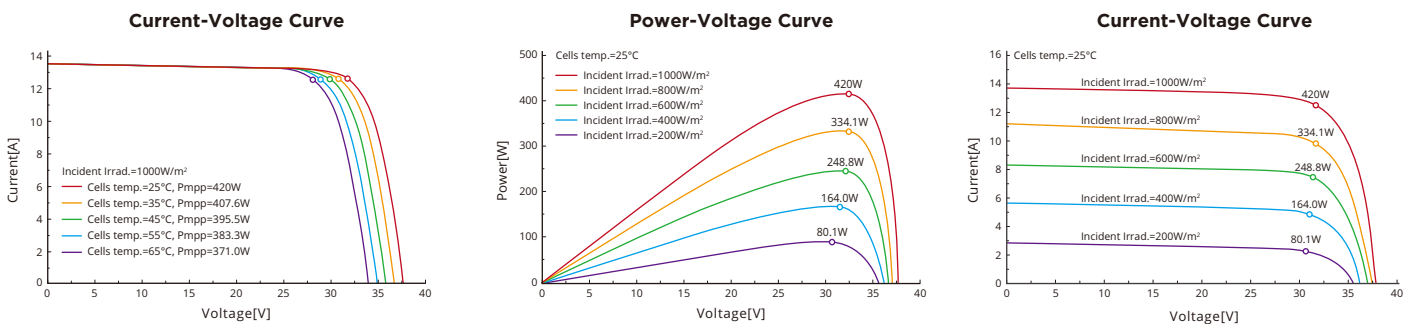
Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	290	294	298	301	305	309	312
Open-circuit Voltage (Voc/V)	34.1	34.3	34.5	34.7	34.9	35.1	35.3
Maximum Power Voltage (Vmp/V)	29.0	29.2	29.4	29.6	29.8	29.9	30.1
Short-circuit Current (Isc/A)	10.79	10.84	10.89	10.94	10.99	11.04	11.09
Maximum Power Current (Imp/A)	10.01	10.07	10.13	10.19	10.25	10.31	10.38

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve (DHM-54X10/FS-420W)





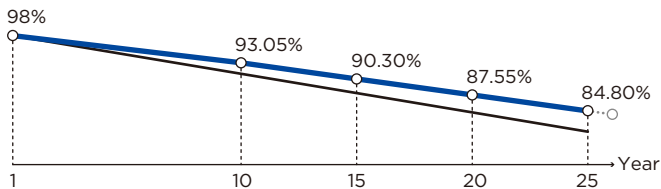
DHM-60X10/FS  
**450~470W**

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- 25-year → Linear power output warranty



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# DHM-60X10/FS

# 450~470W



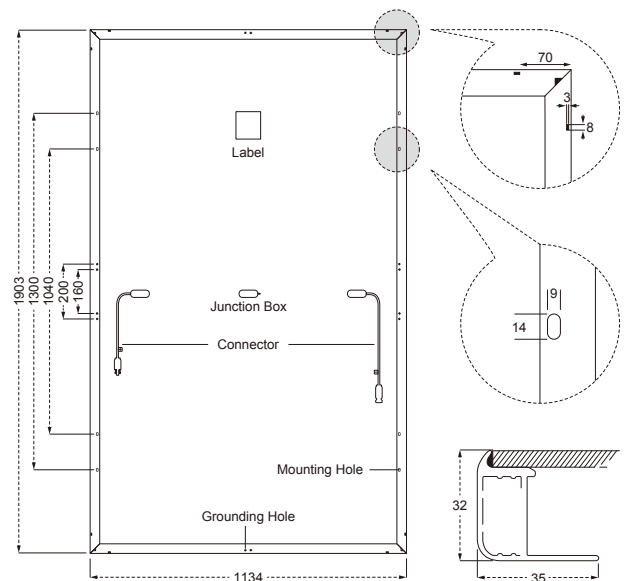
## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/400mm in length,
(Including connector)	length can be customized
No.of Cells	120 (6×20)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
<b>Weight</b>	<b>23.8kg</b>
<b>Cells Type</b>	<b>Mono 182×91mm</b>
<b>Dimension (L×W×T)</b>	<b>1903×1134×32mm</b>
<b>Packing</b>	<b>34pcs/pallet, 816pcs/40HQ</b>

## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## Design



## STC — Electrical Characteristics

Module Type	DHM-60X10/FS				
Maximum Power (Pmax/W)	450	455	460	465	470
Open-circuit Voltage (Voc/V)	41.6	41.8	42.0	42.2	42.4
Maximum Power Voltage (Vmp/V)	35.2	35.4	35.6	35.8	36.0
Short-circuit Current (Isc/A)	13.66	13.72	13.78	13.84	13.90
Maximum Power Current (Imp/A)	12.78	12.85	12.92	12.99	13.06
Module Efficiency (%)	20.85	21.08	21.32	21.55	21.78

Power Tolerance: 0~+5, W Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

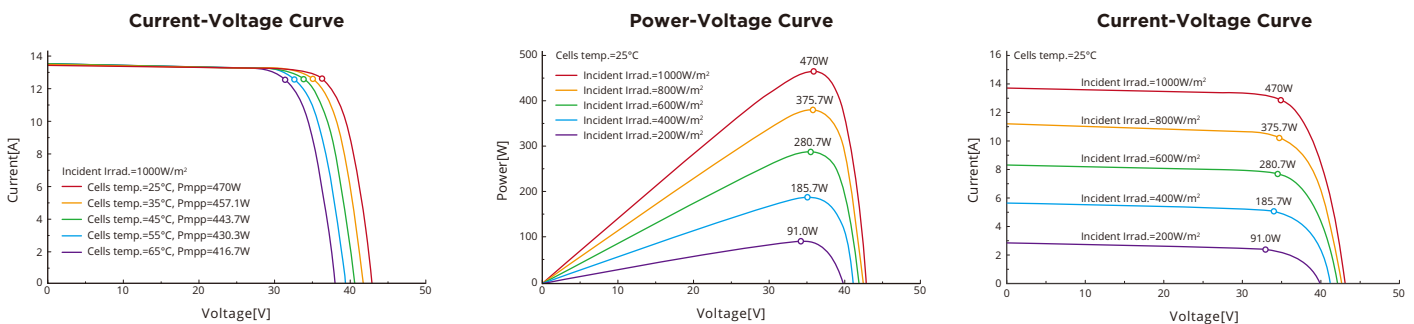
Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	450	455	460	465	470
Open-circuit Voltage (Voc/V)	39.4	39.6	39.7	39.9	40.1
Maximum Power Voltage (Vmp/V)	33.3	33.5	33.7	33.9	34.1
Short-circuit Current (Isc/A)	11.02	11.07	11.12	11.17	11.22
Maximum Power Current (Imp/A)	10.15	10.21	10.26	10.32	10.37

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve (DHM-60X10/FS-470W)





DHT-M60X10/FS  
**450~470W**

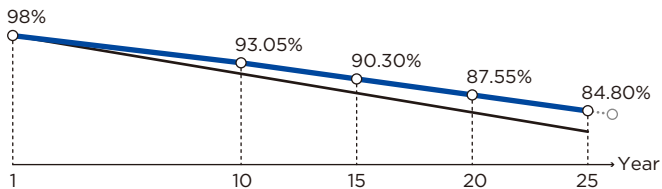
# Full Screen

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- Standard Linear power output guarantee

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ISO 9001: 2015/Quality management system



**Low current, increase power generation**  
1/3 design, lower current and lower loss



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# DHT-M60X10/FS

# 450~470W



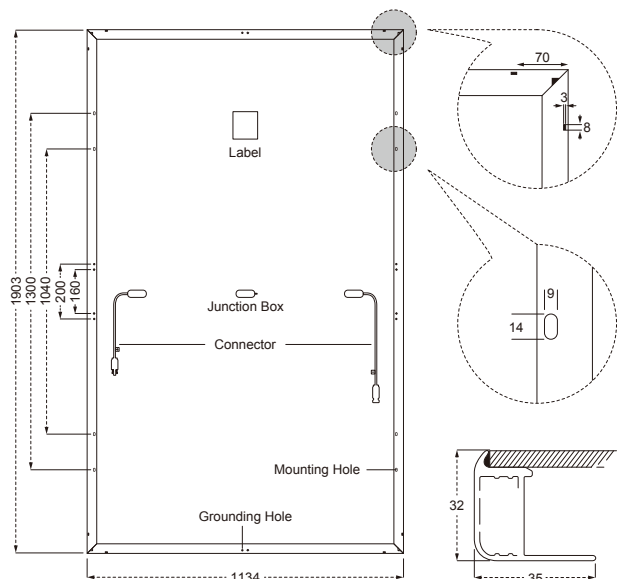
## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 300/400mm in length,
(Including connector)	length can be customized
No.of Cells	180 (6×30)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
<b>Weight</b>	<b>23.5kg</b>
<b>Cells Type</b>	<b>Mono 182×60.7mm</b>
<b>Dimension (L×W×T)</b>	<b>1903×1134×30mm</b>
<b>Packing</b>	<b>34pcs/pallet, 816pcs/40HQ</b>

## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## Design



## STC — Electrical Characteristics

Module Type	DHT-M60X10/FS				
Maximum Power (Pmax/W)	450	455	460	465	470
Open-circuit Voltage (Voc/V)	62.0	62.2	62.4	62.6	62.8
Maximum Power Voltage (Vmp/V)	52.4	52.6	52.8	53.0	53.2
Short-circuit Current (Isc/A)	9.19	9.25	9.31	9.37	9.43
Maximum Power Current (Imp/A)	8.59	8.65	8.71	8.77	8.83
Module Efficiency (%)	20.85	21.08	21.32	21.55	21.78

Power Tolerance: 0~+5, W Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	339	342	346	350	354
Open-circuit Voltage (Voc/V)	58.7	58.9	59.1	59.3	59.5
Maximum Power Voltage (Vmp/V)	49.6	49.8	50.0	50.2	50.4
Short-circuit Current (Isc/A)	7.41	7.46	7.51	7.56	7.61
Maximum Power Current (Imp/A)	6.82	6.87	6.92	6.97	7.02

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve (DHT-M60X10/FS-470W)

