



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

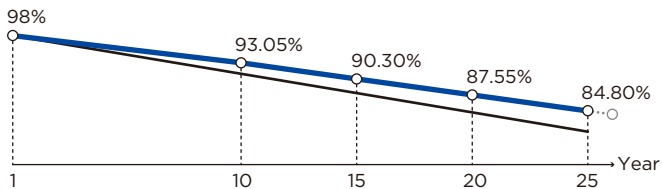
# Full Screen

**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



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



**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).

# DHT-M60X10/FS

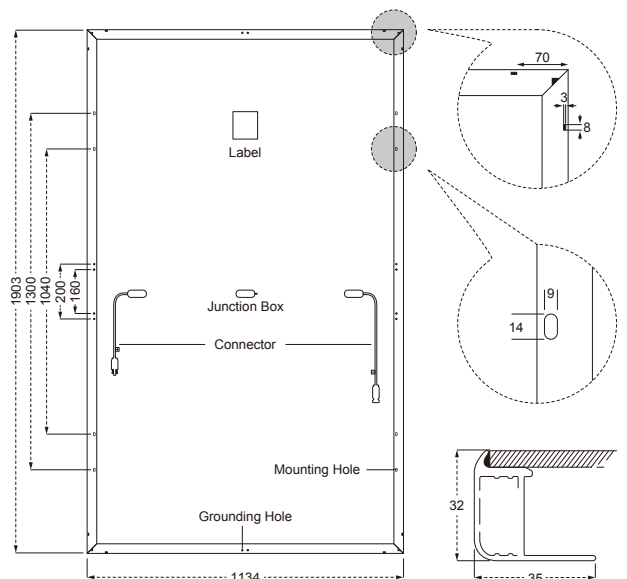
# 450~470W



## 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>

## Design



## 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

## STC — Electrical Characteristics

Module Type	DHT-M60X10/FS				
Maximum Power (P <sub>max</sub> /W)	450	455	460	465	470
Open-circuit Voltage (V <sub>oc</sub> /V)	62.0	62.2	62.4	62.6	62.8
Maximum Power Voltage (V <sub>mp</sub> /V)	52.4	52.6	52.8	53.0	53.2
Short-circuit Current (I <sub>sc</sub> /A)	9.19	9.25	9.31	9.37	9.43
Maximum Power Current (I <sub>mp</sub> /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 I<sub>sc</sub>: 0.05%/°C, Temperature Coefficient of V<sub>oc</sub>: -0.31%/°C, Temperature Coefficient of P<sub>max</sub>: -0.35%/°C

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

## NOCT — Electrical Characteristics

Maximum Power (P <sub>max</sub> /W)	339	342	346	350	354
Open-circuit Voltage (V <sub>oc</sub> /V)	58.7	58.9	59.1	59.3	59.5
Maximum Power Voltage (V <sub>mp</sub> /V)	49.6	49.8	50.0	50.2	50.4
Short-circuit Current (I <sub>sc</sub> /A)	7.41	7.46	7.51	7.56	7.61
Maximum Power Current (I <sub>mp</sub> /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)

