



LR4-60HTH

380~400M



25-years Warranty for  
Material and Processing



25-years Warranty for  
Extra Linear Power Output

- Sleek and aesthetic design matching roof appearance
- Outstanding energy yield over full life time
- Super high efficient power density suitable for less roof space
- Zero bus bar design for maximum light capturing and low reflections
  - M6 size Half-Cut Cell
  - ZBB Tech.
  - 100% active area
- High-end product quality for long life time

#### Complete System and Product Certifications

IEC 61215, IEC 61730

ISO 9001:2015:ISO Quality Management System

ISO 14001:2015:ISO Environment Management System

TS62941:Guideline for module design qualification and type approval

ISO 45001:2018: Occupational Health and Safety

**LONGi**





# LR4-60HTH 380~400M

**22.2%**

 MAX. MODULE  
EFFICIENCY

**0~3%**

 POWER  
TOLERANCE

**<1.5%**

 MAX. FIRST YEAR  
POWER DEGRADATION

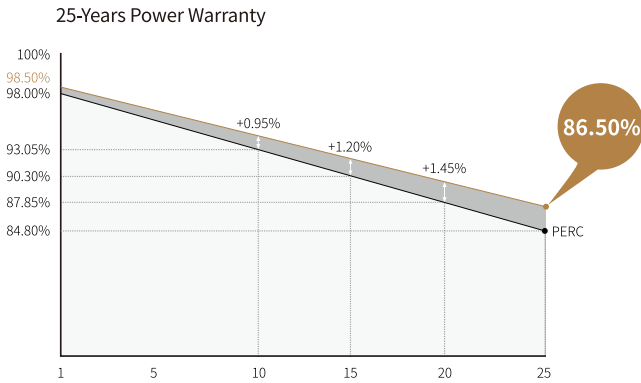
**<0.50%**

 YEAR 2-25 MAX. ANNUAL  
POWER DEGRADATION

**ZBB Tech.**

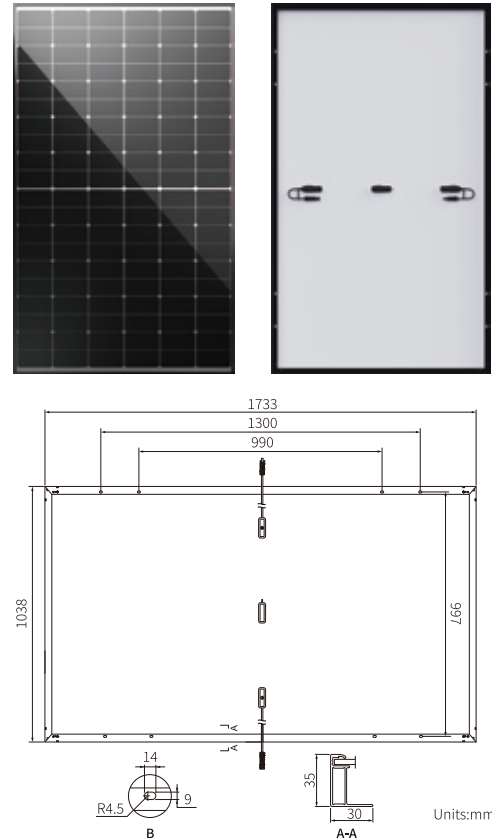
 ZERO BUSBAR DESIGN  
MAX. LIGHT CAPTURING

## Additional Value



## Mechanical Parameters

Cell Orientation	120(6×20)
Junction Box	IP68, three diodes
Connector	Stäubli MC4-Evo 2
Output Cable	4mm <sup>2</sup> , 1200mm
Glass	Single glass, 3.2mm AR coated heat strengthened glass
Frame	Anodized aluminum alloy frame
Weight	19.0kg
Dimension	1733×1038×35mm
Packaging	30pcs per pallet/180pcs per 20' GP/780pcs per 40' HC



## Electrical Characteristics

 STC:AM1.5 1000W/m<sup>2</sup> 25°C NOCT:AM1.5 800W/m<sup>2</sup> 20°C 1m/s

Test uncertainty for Pmax: ±3%

Module Type	LR4-60HTH-380M		LR4-60HTH-385M		LR4-60HTH-390M		LR4-60HTH-395M		LR4-60HTH-400M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	380	288	385	292	390	296	395	300	400	303
Open Circuit Voltage (Voc/V)	42.6	40.4	42.8	40.6	43.0	40.8	43.2	41.0	43.4	41.2
Short Circuit Current (Isc/A)	11.24	9.10	11.31	9.16	11.38	9.21	11.45	9.27	11.52	9.33
Voltage at Maximum Power (Vmp/V)	35.6	32.5	35.8	32.7	36.0	32.9	36.2	32.1	36.4	33.3
Current at Maximum Power (Imp/A)	10.66	8.86	10.74	8.92	10.82	8.99	10.90	9.06	10.98	9.12
Module Efficiency (%)	21.1		21.4		21.7		22.0		22.2	

## Operating Parameters

Operating Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3 %
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	Class C

## Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	3600Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.060%/°C
Temperature Coefficient of Voc	-0.240%/°C
Temperature Coefficient of Pmax	-0.290%/°C



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Specifications included in this datasheet  
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LONGI reserves the right of final  
interpretation. (20210926 Draft V01)