

Annexe 10 – Fiche techniques des modules photovoltaïques Longi560

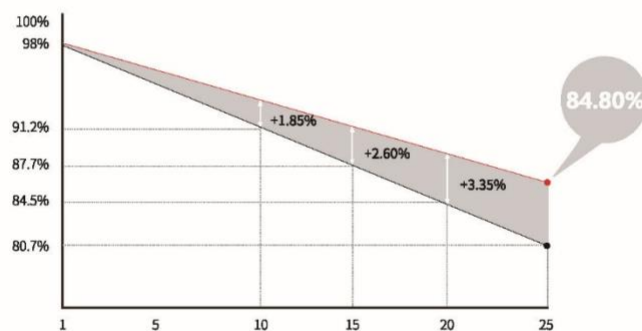
Hi-MO 5_m

LR5-72HPH 540~560M

21.7%
MAX MODULE
EFFICIENCY**0~3%**
POWER
TOLERANCE**<2%**
FIRST YEAR
POWER DEGRADATION**0.55%**
YEAR 2-25
POWER DEGRADATION**HALF-CELL**
Lower operating temperature

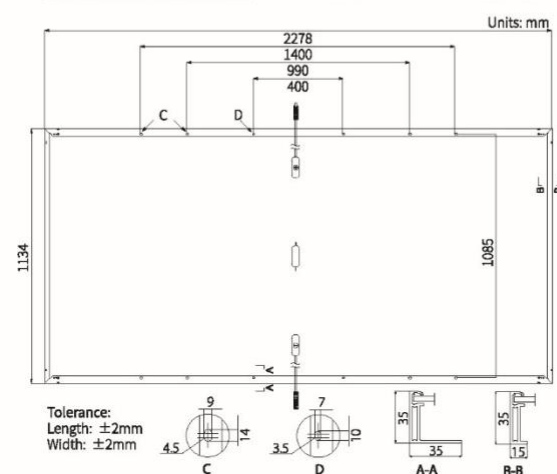
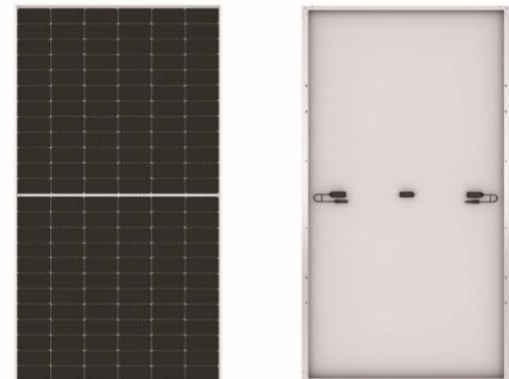
Additional Value

25-Year Power Warranty



Mechanical Parameters

Cell Orientation	144 (6×24)
Junction Box	IP68, three diodes
Output Cable	4mm ² , +400, -200mm/±1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.5kg
Dimension	2278×1134×35mm
Packaging	31pcs per pallet / 155pcs per 20' GP / 620pcs per 40' HC



Electrical Characteristics

STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

Module Type	LR5-72HPH-540M		LR5-72HPH-545M		LR5-72HPH-550M		LR5-72HPH-555M		LR5-72HPH-560M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	540	403.6	545	407.4	550	411.1	555	414.8	560	418.6
Open Circuit Voltage (Voc/V)	49.50	46.54	49.65	46.68	49.80	46.82	49.95	46.97	50.10	47.11
Short Circuit Current (Isc/A)	13.85	11.20	13.92	11.25	13.98	11.31	14.04	11.35	14.10	11.40
Voltage at Maximum Power (Vmp/V)	41.65	38.69	41.80	38.83	41.95	38.97	42.10	39.11	42.25	39.25
Current at Maximum Power (Imp/A)	12.97	10.43	13.04	10.49	13.12	10.56	13.19	10.61	13.26	10.67
Module Efficiency(%)	20.9		21.1		21.3		21.5		21.7	

Operating Parameters

Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0 ~ 3%
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC/UL)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.265%/°C
Temperature Coefficient of Pmax	-0.340%/°C

LONGI

Floor 19, Lujiazui Financial Plaza, Century Avenue
826, Pudong Shanghai, China
Tel: +86-21-80162606
Web: www.longi.com

Specifications included in this datasheet
are subject to change without notice.
LONGI reserves the right of final
interpretation. (20220810V16) G2