

Efficient Power Generation Roof

25-Year Warranty Worry-Free

Suitable for the Metal Roof of Industrial and Commercial Buildings



SAFE AND RELIABLE

- Resistant to 17-level typhoon
- Waterproof rating: Class I
- Fire protection rating: Class A



LEADING EFFICIENCY

- High conversion efficiency
- Better low light performance
- Less power degradation



AESTHETIC APPEARANCE

- Minimalist aesthetics
- No busbar on the front
- Blending with architecture



STEADY RETURNS

- 25-year stable returns
- High economic returns
- Good carbon reduction



REASSURING AND CAREFREE

- Easy installation and maintenance
- Full-lifecycle services with 25-year warranty
- Monitoring and O&M system



System Basic Information >

System Roof	Photovoltaic module/Metal roof	Version Information	Finite element non-slip wind-resistant leak-proof roof system
Construction	Flexible waterproof layer/Insulating layer	Material	Alumini-Zinc-Magnesium steel plate (Thickness: 0.6~0.8mm)
	Roof floor/Roof purlin	Module Dimension	2376×1128×5mm
Module Fixation	Flexible connection	Module Weight	31kg

Operating Parameter >

Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	DC1500V(IEC)
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45±2°C
Protection Class	Class II
System Fire Rating	Class A

Temperature Ratings (STC) >

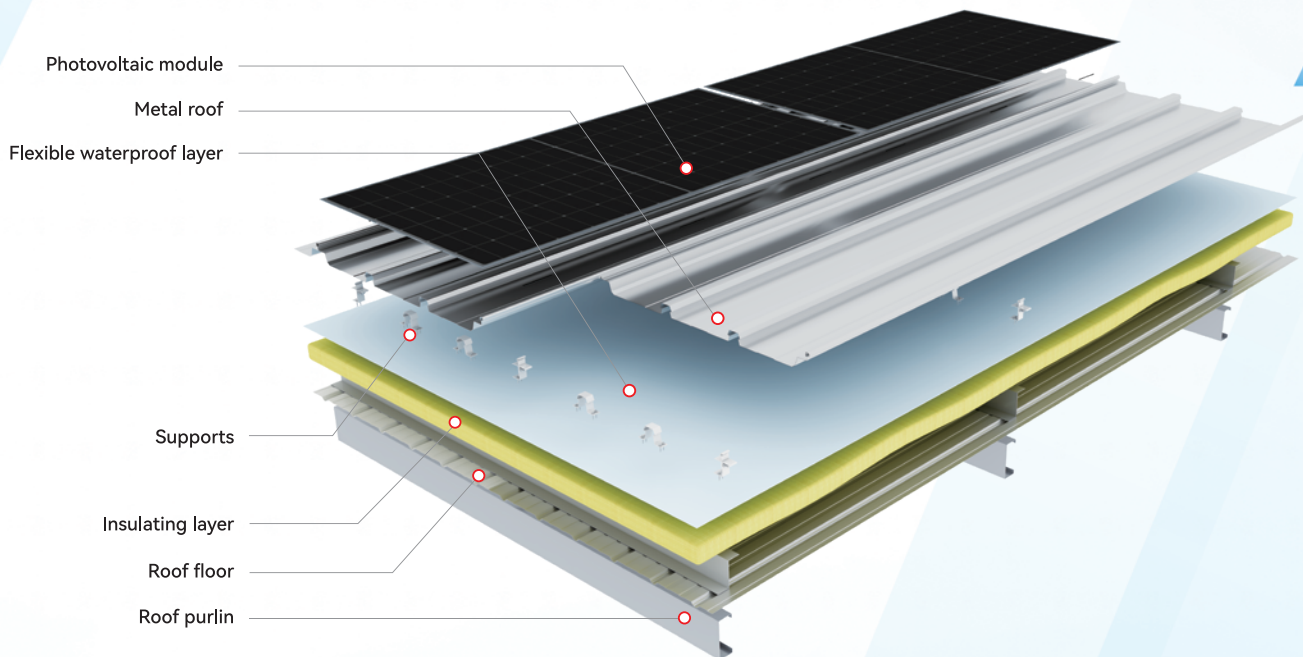
Temperature Coefficient of Isc	+ 0.050%/°C
Temperature Coefficient of Voc	- 0.230%/°C
Temperature Coefficient of Pmax	- 0.280%/°C

Power Degradation >

First Year Power Degradation	1.0%
Year 2-25 Power Degradation	0.4%

Mechanical Loading >

Maximum Static Loading	5400Pa (Front) / 2400Pa (Back)
Hailstone Test	25mm Hailstone at the speed of 23m/s



Electrical Characteristics >

	Electrical Characteristics (STC) LGi7-72HTD					Electrical Characteristics (NOCT) LGi7-72HTD				
Module Type	600M	605M	610M	615M	620M	600M	605M	610M	615M	620M
Maximum Power (Pmax/W)	600	605	610	615	620	448.3	452.0	455.8	459.5	463.3
Open Circuit Voltage (Voc/V)	52.51	52.66	52.81	52.96	53.11	49.30	49.44	49.58	49.72	49.89
Short Circuit Current (Isc/A)	14.55	14.62	14.69	14.75	14.82	11.75	11.81	11.87	11.92	11.97
Voltage at Maximum Power (Vmp/V)	44.19	44.33	44.48	44.63	44.77	40.32	40.45	40.59	40.72	40.85
Current at Maximum Power (Imp/A)	13.58	13.65	13.72	13.78	13.85	11.12	11.17	11.23	11.29	11.35
Module Efficiency(%)	22.4	22.6	22.8	22.9	23.1	22.4	22.6	22.8	22.9	23.1

STC: 1000W/m², 25°C, AM1.5

NOCT: 800W/m², 20°C, AM1.5, 1m/s