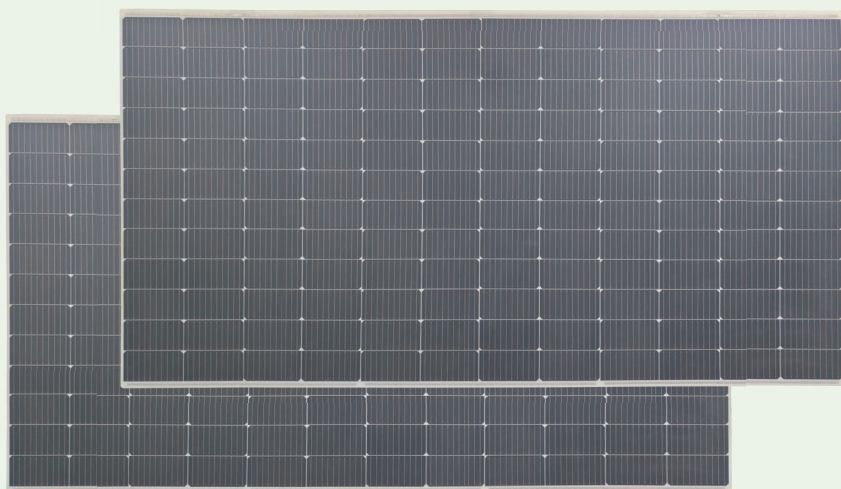




550Watt



144 cells

N-type Mono Bifacial TOPCON solar cells

25%

Solar Cell Conversion Efficiency

550W

Standard Power

±3%

Power Tolerance



Product Characteristics



Low loss

Zero-loss cutting technology, reducing power loss.



Aesthetically pleasing

Patented design and advanced manufacturing process for superior appearance.



Convenient installation

Excellent design for quick and easy product installation.



Low-light performance

Outstanding performance in low-light conditions (morning, evening).



Shock resistance

FA alloy front cover + polyester reinforced shock-resistant layer, enhancing impact resistance.



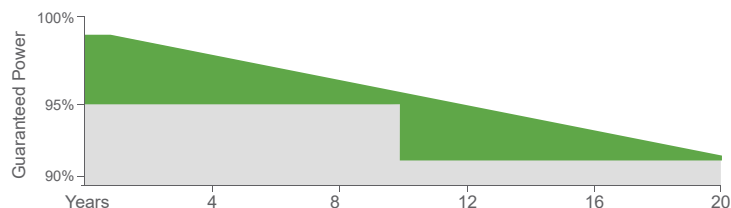
Reliability

Can withstand rigorous testing according to IEC industry standards, ensuring high reliability.

Linear Warranty Chart

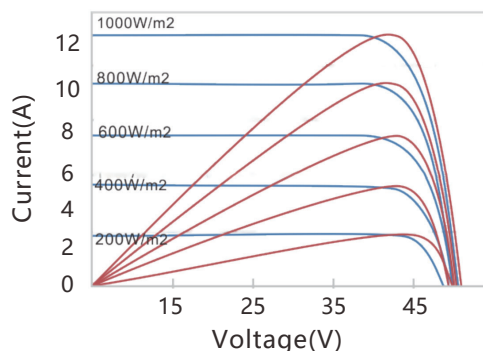
10-year product material and workmanship warranty.

25-year linear power output warranty.



Graph

Current-Voltage curves (550W)



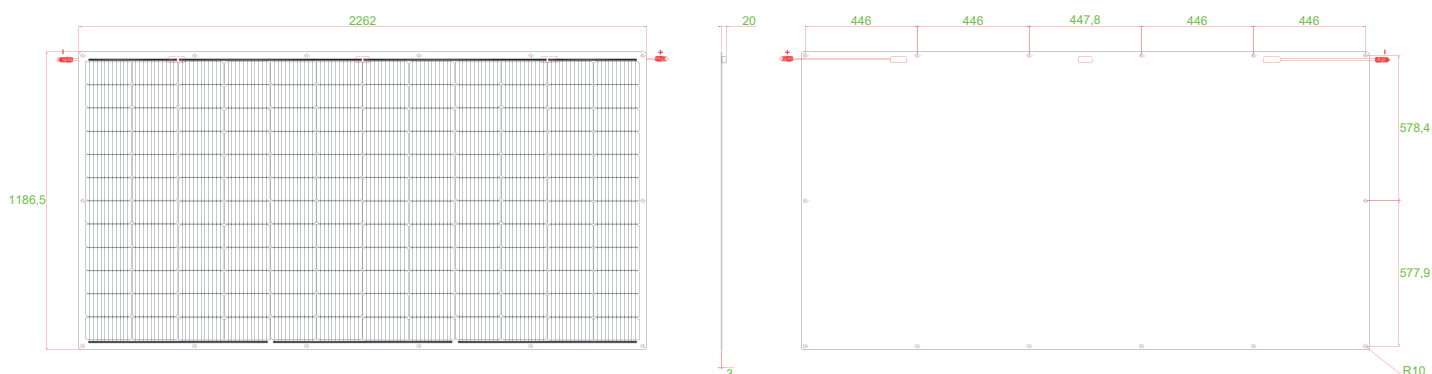
Going Solar Will Change Your Life



LFM-M105500

Lightweight Flexible solar modules

Engineering Drawing



STC Electrical Parameters

Maximum Power (Pmax)	550
Open-Circuit Voltage (Voc)	51.8
Maximum Power Point Voltage (Vmp)	44.6
Short-Circuit Current (Isc)	13.1
Maximum Power Point Current (Imp)	12.3
Power Tolerance	± 3%
Module Color	White
Module Operating Temperature	-40°C~85°C
Maximum System Voltage (V)	1500 DC
Application Class	Class A
Maximum Power (Pmax)	-0.3%/°C
Open-Circuit Voltage (Voc)	-0.26%/°C
Short-Circuit Current (Isc)	0.046%/°C

Product Specifications

Number of Cells (Pcs)	144 (12×12)
Dimensions (mm)	2262×1186.5×3
Module Weight (kg)	10
Product Color	Transparent/White/Black
Output Interface	MC4
Junction Box	IP68
Cable Specification	4.0mm ² /450mm

Note: The electrical performance parameters in this product catalog do not refer to a single module and are not part of the contractual commitments. These electrical parameters are only used for comparison purposes between different module types.