

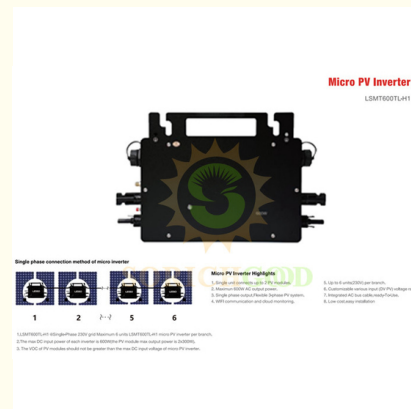


## 22V-48V 600W Microinverters With Advanced Features For Easy Integration

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: CE
- Model Number: LSMT600TL-H1
- Minimum Order Quantity: 30 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



#### Product Specification

- DC Input (MPPT Voltage Range): 22V-48V
- Maximum Input Power: 600W
- AC Output (Rated Output Power): 600W
- Peak Efficiency: 95%
- Nominal MPPT Efficiency: 99.5%
- Communication: WIFI (cloud Monitoring)
- Cooling Mode: Natural Convection - No Fans
- Waterproof Rating: IP66
- Highlight: **600W Microinverters, 48V Microinverters, 22V micro inverter solar**

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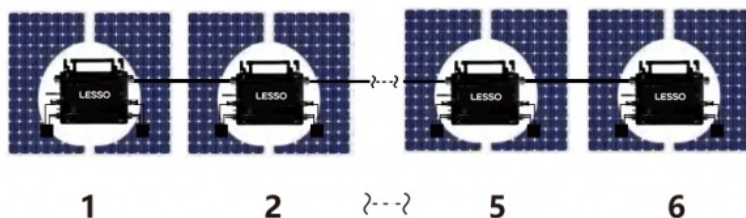
## Product Description

### 600W LSMT600TL-H1 Microinverters with Advanced Features for Easy Integration

#### Micro PV Inverter Highlights

1. Single unit connects up to 2 PV modules.
2. Maximum 600W AC output power.
3. Single phase output, Flexible 3-phase PV system.
4. WIFI communication and cloud monitoring.
5. Up to 6 units(230V) per branch.
6. Customizable various input (DV PV) voltage range.
7. Integrated AC bus cable, ready-To-Use.
8. Low cost, easy installation

#### Single phase connection method of micro inverter



1. LSMT600TL-H1 @Single-Phase 230V grid Maximum 6 units LSMT600TL-H1 micro PV inverter per branch.
2. The max DC input power of each inverter is 600W(the PV module max output power is 2x300W).
3. The VOC of PV modules should not be greater than the max DC input voltage of micro PV inverter.

#### Product Description

The LSMT600TL-H1 micro inverter is designed for high-efficiency energy conversion, connecting up to two PV modules with a combined maximum output of 600W. Ideal for both residential and commercial solar installations, this inverter supports flexible system design, allowing for up to 6 units per branch in a 230V grid. Equipped with advanced features like WIFI communication and cloud monitoring, the LSMT600TL-H1 ensures easy integration, reliable performance, and effective energy management.

DC Input	Model	LSMT600TL-H1
	Number of input MC4 connector	2 sets
	MPPT voltage range	22V-48V
	Operation voltage range	20-50V
	Maximum Input voltage	52V
	Startup voltage	18V
	Maximum input power	600W
	Maximum input current	12A*2
	Single-phase grid type	120V&230V
	Rated output power	600W
AC Output	Maximum output power	600W
	Nominal output current	@120VAC:5A/@230VAC:2.6A
	Nominal output voltage	120VAC/230VAC
	Default output voltage range	@120VAC:80V-160V/@230VAC:180V-270V
	Nominal output frequency	50Hz/60Hz
	Default output frequency range	@50Hz:48Hz-51Hz/@60Hz:58Hz-61Hz
	Power factor	>0.99%
	Total harmonic distortion	THD<5%
	Maximum units per branch	@120VAC:3units/@230VAC:6units
	Nominal MPPT efficiency	99.5%
Efficiency	Peak efficiency	95%
	Night power consumption	<1W

Mechanical Data	Operating ambient temperature range	-40°C to +65°C
	Storage temperature range	-40°C to +85°C
	Dimensions (L×W×H)	230mm x 185mm x45mm
	Weight	2kg
	Max current of AC bus cable	20A
	Waterproof rating	IP66
	Cooling mode	Natural convection-no fans
Other Features	Communication	WIFI(cloud monitoring)
	Power transmission mode	Reverse transfer, load priority
	Monitoring system	Mobile APP, PC browser
	Transformer design	High frequency transformers, galvanically isolated
	Integrated ground	Equipment ground is provided by the PE in the AC cable. No additional ground is required

es	Protection Functions	isolated island protection,voltage protection,frequency protection, temperature protection,current protection,etc.
	Design compliance	EN IEC61000-3-2:2019+A1:2021,EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC55014-2:2021
	Certificate	CE

#### Application

This micro inverter is perfect for larger residential and commercial solar installations where dual PV module connections are required. It is suitable for projects needing a robust, scalable, and high-efficiency solution that integrates easily with modern energy management systems.

#### Shipping Methods

Supports global air and sea shipping.



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