



## 16V-48V 120V 230V 400W Micro Inverter System For Grid Systems

### Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: CE
- Model Number: LSMT400TL-H1
- Minimum Order Quantity: 50 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



### Product Specification

- Rated Output Power: 400W
- Maximum Output Power: 400W
- MPPT Voltage Range: 16V-48V
- Nominal Output Voltage: 120V / 230V
- Efficiency: 95% Peak Efficiency
- Operating Ambient Temperature Range: -40°C To +65°C
- Maximum Units Per Branch: 9 Units @ 230V
- Dimensions: 195mm X 185mm X 40mm
- Highlight: **400W micro inverter system,  
230V micro inverter system,  
48V micro inverter on grid**

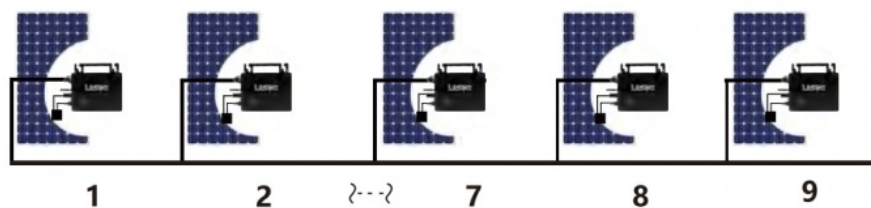
## Product Description

### 400W LSMT400TL-H1 Microinverters Easy Installation and Versatile for Various Grid Systems

#### Micro PV Inverter Highlights

1. Single unit connects up to 1 PV module.
2. Maximum 400W AC output power.
3. Single phase output,Flexible 3-phase PV system.
4. WIFI communication and cloud monitoring.
5. Up to 9 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. LSMT400TL-H1 @Single-Phase 230V grid maximum 9 units LSMT400TL-H1 micro PV inverter per branch.
2. The max DC input power of each inverter is 400W(the PV module max output power is 1x400W).
3. The VOC of PV modules should not be greater than the max DC input voltage of micro PV inverter

#### Product Description:

The LSMT400TL-H1 microinverter is designed to optimize the performance of small-scale photovoltaic (PV) systems by converting direct current (DC) from solar modules into alternating current (AC) for residential or commercial use. This microinverter supports single-phase 120V & 230V grid connections, making it versatile for various grid systems. With a maximum AC output power of 400W and a high peak efficiency of 95%, it is ideal for maximizing energy harvest from each PV module. The built-in WIFI communication and cloud monitoring features provide real-time data access and system control, ensuring optimal performance at all times. The integrated AC bus cable and ready-to-use design make installation straightforward and cost-effective.

DC Input	Model	LSMT400TL-H1
	Number of input MC4 connector	1 set
	MPPT voltage range	16V-48V
	Operation voltage range	20-50V
	Maximum Input voltage	50V
	Startup voltage	18V
	Maximum input power	400W
	Maximum input current	16A
AC Output	Single-phase grid type	120V&230V
	Rated output power	400W
	Maximum output power	400W
	Nominal output current	@120VAC:2.5A/@230VAC:1.3A
	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%
Efficiency	Maximum units per branch	@120VAC:5units/@230VAC:9units
	Nominal MPPT efficiency	99.5%
	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)	195mm×185mm×40mm
	Weight	1.6kg
	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,eto.
	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:**

The LSMT400TL-H1 microinverter is perfect for residential and small commercial solar power systems. It is ideal for scenarios where individual module performance needs to be optimized, such as in shaded areas or where space is limited, requiring a flexible 3-phase PV system. This microinverter is also suited for applications where remote monitoring and control are necessary for efficient energy management.

**Shipping Methods:**

Supports global air and sea shipping.



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