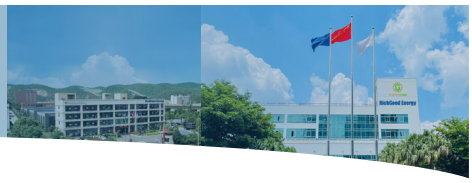

Residential Commercial 2000W Microinverters Optimal Performance

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: CE
- Model Number: LSMT2000TL-H1
- Minimum Order Quantity: 806 pcs
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T

Product Specification

- Rated Output Power: 2000W
- Maximum Output Power: 2000W
- MPPT Voltage Range: 22V-48V
- Nominal Output Voltage: 120V / 230V
- Efficiency: 95% Peak Efficiency
- Operating Ambient Temperature Range: -40°C To +65°C
- Maximum Units Per Branch: 1 Units @ 230V
- Dimensions: 255mm X 340mm X 45mm
- Highlight: **Commercial microinverter 2000w**, **Residential microinverter 2000w**, **230V micro inverter 2000w**

Our Product Introduction

Product Description

2000W Microinverters Optimal Performance for Residential and Commercial

Micro PV Inverter Highlights

1. Single unit connects up to 4 PV modules.
2. Maximun 2000W AC output power.
3. Single phase output,Flexible 3-phase PV system.
4. WIFI communication and cloud monitoring.
5. Up to 1 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

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1.LSMT2000TL-H1 @Single-Phase 230V grid Maximum 1 units LSMT2000TL-H1 micro PV inverter per branch.(AC cable 3*2.5mm²).
2.The max DC input power of each inverter is 2000W(the PV module max output power is 4x500W).
3. The VOC of PV modules should not be greater than the max DC input voltage of micro PV inverter.

Product Description:

The LSMT2000TL-H1 microinverter is engineered for high-capacity photovoltaic (PV) systems, converting DC power from solar modules into AC power suitable for grid-tied residential or commercial use. Supporting single-phase 120V & 230V grid connections, this robust microinverter delivers a maximum AC output power of 2000W, making it an ideal choice for large-scale PV installations. With a high peak efficiency of 95%, it ensures that each PV module operates at optimal performance, even under varying conditions. The device is equipped with WIFI communication and cloud monitoring, providing remote access and control to maintain peak efficiency and performance. Its design includes an integrated AC bus cable, simplifying installation and reducing overall setup costs.

DC Input	Mode	LSMT2000TL-H1
	Number of input MC4 connector	4 sets
	MPPT voltage range	22V-48V
	Operation voltage range	18-60V
	Maximum Input voltage	60V
	Startup voltage	22V
	Maximum input power	2000W
	Maximum input current	16A*4
AC Output	Single-phase grid type	120V&230V
	Rated outputpower	2000W
	Maximum output power	2000W
	Nominal output current	@120VAC:16.6A/@230VAC:8.6A
	Nominal output voltage	120VAC/230VAC
	Default output voltage range	@120VAC:80V-160V/@230VAC:180V-270V
	Nominal output frequency	50Hz/60Hz
	Defaultoutput frequency range	@50Hz:48Hz-51Hz/@60Hz:58Hz-61Hz
	Power factor	>0.99%
	Total harmonic distortion	THD<5%
	Maximum units per branch	@120VAC:2units/@230VAC:2units(AC cable 3*2.5mm²)
Eiffici-ency	Nominal MPPT efficiency	99.5%
	Peak efficiency	95%
	Night power consumption	<1W

Mecha-nical Data	Operatingambient temperature range	-40C to+65℃
	Storage temperature range	-40℃ to +85℃
	Dimensions(L×W×H)	255mm x340mmx45mm
	Weight	3.5kg
	Max current ofACbuscable	20A
	Waterproof rating	IP66
	Cooling mode	Natural convection-no fans
	Communication	WIFI(cloud monitoring)
	Power transmission mode	Reverse transfer,load priority
	Monitoring system	Mobile APP,PC browser
	Transformer design	High frequency transformers,galvanicallyisolated

Other Features	Integrated ground	Equipment ground is provided by the PE in the AC cable. No additional ground is required
	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:

The LSMT2000TL-H1 microinverter is designed for large residential and commercial solar power systems where high power output is required. This microinverter is particularly suitable for installations with multiple PV modules needing precise control and monitoring. It is ideal for environments where reliable, high-capacity power generation is necessary, and where space and installation efficiency are critical considerations.

Shipping Methods:

Supports global air and sea shipping.

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