



High Efficiency 1400W PV Micro Inverter For Flexible 3 Phase PV Systems

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: CE
- Model Number: LSMT1400TL-H1
- Minimum Order Quantity: 28 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Output Power: 1400W
- Maximum Output Power: 1400W
- 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: 2 Units @ 120V, 4 Units @ 230V (AC Cable 3*2.5mm²)
- Dimensions: 255mm X 340mm X 45mm
- Highlight: 1400W pv micro inverter, 230V pv micro inverter , 120V micro inverter solar system

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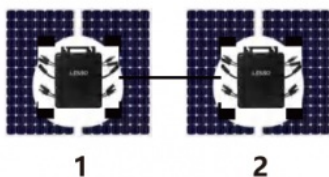
Product Description

High-Efficiency 1400W Microinverters for Flexible 3-Phase PV Systems

Micro PV Inverter Highlights

1. Single unit connects up to 4 PV modules.
2. Maximum 1400W AC output power.
3. Single phase output, Flexible 3-phase PV system.
4. WIFI communication and cloud monitoring.
5. Up to 2 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. LSMT1400TL-H1 @Single-Phase 230V grid Maximum 2 units LSMT1400TL-H1 micro PV inverter per branch.(AC cable 3*2.5mm²).
2. The max DC input power of each inverter is 1400W(the PV module max output power is 4x350W).
3. The VOC of PV modules should not be greater than the max DC input voltage of micro PV inverter.

Product Description:

The LSMT1400TL-H1 microinverter is an advanced solution for managing and optimizing small-scale photovoltaic (PV) systems. Designed for maximum efficiency, this microinverter converts direct current (DC) from up to four solar modules into alternating current (AC), making it suitable for residential and small commercial applications. It supports single-phase 120V & 230V grid connections with a maximum AC output power of 1400W. The inverter's robust design includes WIFI communication and cloud monitoring, allowing users to manage and monitor system performance remotely. With its compact size and integrated AC bus cable, the LSMT1400TL-H1 ensures easy installation and high energy harvest, even in shaded or constrained environments.

DC Input	Model	LSMT1400TL-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	1400W
	Maximum input current	14A*4
AC Output	Single-phase grid type	120V&230V
	Rated output power	1400W
	Maximum output power	1400W
	Nominal output current	@120VAC:11.6A/@230VAC: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%
Efficiency	Maximum units per branch	@120VAC:2units/@230VAC:4units(AC cable 3*2.5mm²)
	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)	255mm x340mmx45mm
	Weight	3.7kg
	Max current of AC bus cable	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,galvanically isolated

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 LSMT1400TL-H1 is ideal for residential and small commercial solar power installations, particularly where individual module performance must be optimized due to shading or limited space. It is well-suited for flexible 3-phase PV systems, providing high energy efficiency and easy monitoring capabilities. The system's robust protection features and reliable operation make it perfect for areas with variable weather conditions.

Shipping Methods:

Supports global air and sea shipping.



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