LESSO

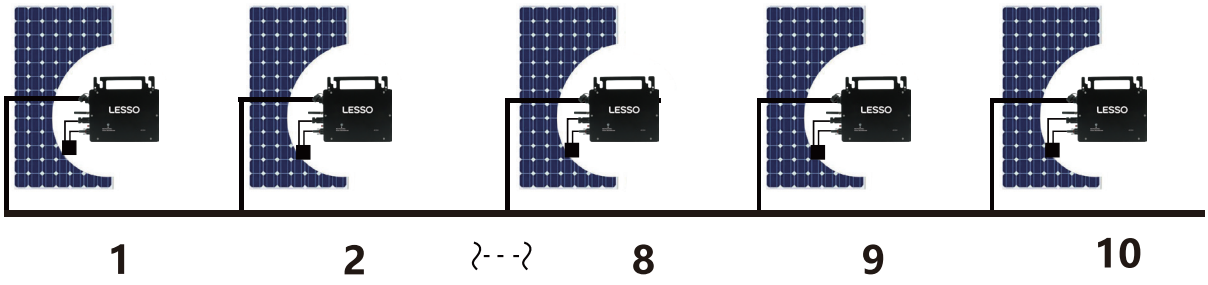
Micro PV Inverter

LSMT400TL-H1

Micro PV Inverter Highlights

1. Single unit connects up to 1 PV module.
2. Maximun 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

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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%
	Maximum units per branch	@120VAC:5units /@230VAC: 9units
Eiffici-ency	Nominal MPPT efficiency	99.5%
	Peak efficiency	95%
	Night power consumption	<1W
Mecha-nical Data	Operating ambient temperature range	-40°C to +65°C
	Storage temperature range	-40°C to +85°C
	Dimensions (L × W ×H)	195mm x 185mm x 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
	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

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