

LESSO

Micro PV Inverter

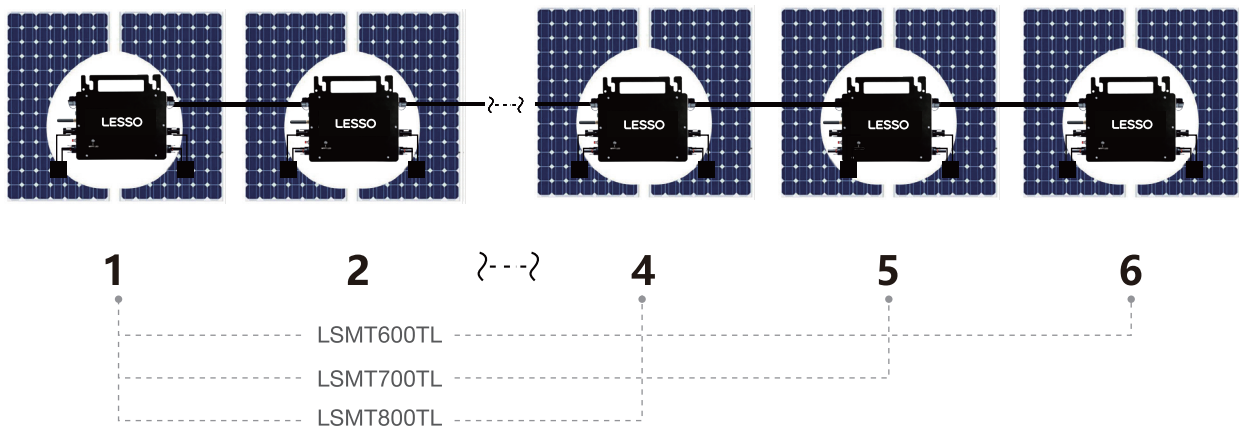


LSMT600TL-H1
LSMT700TL-H1
LSMT800TL-H1

Micro PV Inverter Highlights

1. Single unit connects up to 2 PV module.
2. Maximum 600W/700W/800W AC output power.
3. Single phase output, Flexible 3-phase PV system.
4. WIFI communication and cloud monitoring.
5. Customizable various input (DV PV) voltage range.
6. Integrated AC bus cable, ready-To-Use.
7. Low cost, easy installation.

Single phase connection method of micro inverter



- LSMT600TL Up to 6 units per branch (230V); LSMT700TL Up to 5 units per branch (230V); LSMT800TL Up to 4 units per branch (230V).
- The VOC of PV modules should not be greater than the max DC input voltage of micro PV inverter.

Model	LSMT600TL-H1	LSMT700TL-H1	LSMT800TL-H1	
DC Input	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	700W	800W
	Maximum input current	12A *2	14A *2	16A *2
	AC Output	Single-phase grid type	L,N,PE 120V/230V	
Rated output power		600W	700W	800W
Maximum output power		600W	700W	800W
Nominal output current		@120VAC:5A @230VAC:2.6A	@120VAC:5.8A @230VAC:3A	@120VAC:6A @230VAC:3.5A
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		LSMT600TL-H1: @120VAC:3units /@230VAC: 6units LSMT700TL-H1: @120VAC:3units /@230VAC: 5units LSMT800TL-H1: @120VAC:3units /@230VAC: 4units		
Efficiency	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)	230mm x 185mm x 45mm		
	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		
	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		