



Micro PV Inverter

LSMT300TL-H1

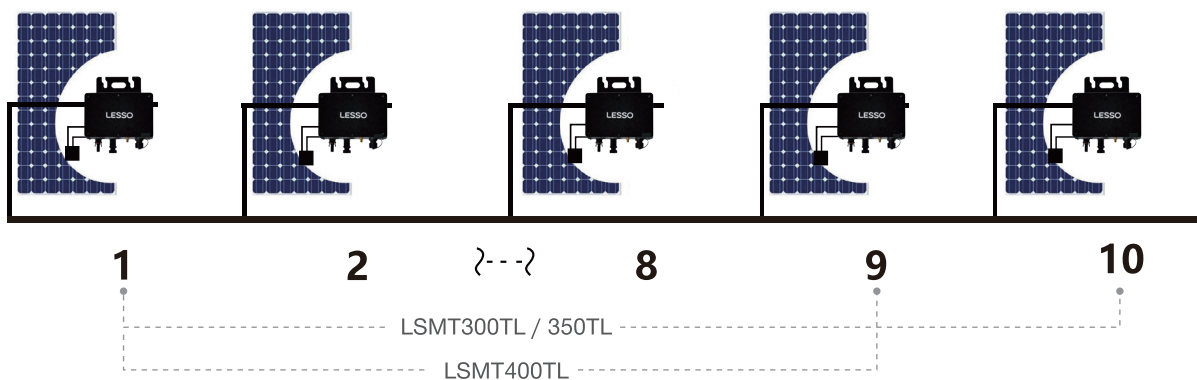
LSMT350TL-H1

LSMT400TL-H1

Micro PV Inverter Highlights

1. Single unit connects up to 1 PV module.
2. Maximum 300W/350W/400W 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



- LSMT300TL / 350TL Up to 10 units per branch (230V); LSMT400TL Up to 9 units per branch (230V).
- The VOC of PV modules should not be greater than the max DC input voltage of micro PV inverter

	Model	LSMT300TL-H1	LSMT350TL-H1	LSMT400TL-H1
DC Input	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	300W	350W	400W
	Maximum input current	12A	14A	16A
	AC Output	Single-phase grid type	L,N,PE 120V/230V	
Rated output power		300W	350W	400W
Maximum output power		300W	350W	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 /300W-350W @230VAC: 10units; 400W @230VAC: 9units		
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)	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		