



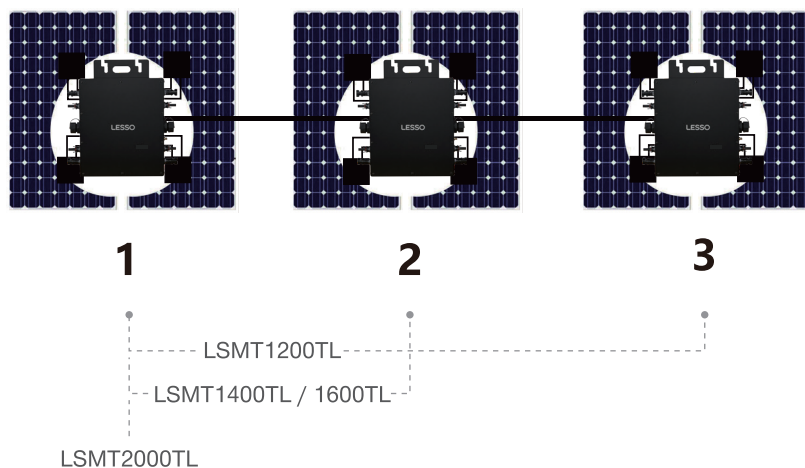
Micro PV Inverter

LSMT1200TL-H1
LSMT1400TL-H1
LSMT1600TL-H1
LSMT2000TL-H1

Micro PV Inverter Highlights

1. Single unit connects up to 4 PV module.
2. Maximum 1200W/1400W/1600W/2000W 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



- LSMT1200TL Up to 3 units per branch (230V); LSMT1400TL Up to 2 units per branch (230V); LSMT1600TL Up to 2 units per branch (230V); LSMT2000TL Up to 1 units per branch (230V).
- The VOC of PV modules should not be greater than the max DC input voltage of micro PV inverter.

	Model	LSMT1200TL-H1	LSMT1400TL-H1	LSMT1600TL-H1	LSMT2000TL-H1
DC Input	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	1200W	1400W	1600W	2000W
	Maximum input current	12A*4	14A*4	15A*4	16A*4
AC Output	Single-phase grid type	L,N,PE 120V/230V			
	Rated output power	1200W	1400W	1600W	2000W
	Maximum output power	1200W	1400W	1600W	2000W
	Nominal output current	@120VAC:10A @230VAC:5.2A	@120VAC:11.6A @230VAC:6A	@120VAC:13A @230VAC:6.9A	@120VAC:16.6A @230VAC:8.A
	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	LSMT1200TL-H1: @120VAC:2units /@230VAC: 4units LSMT1400TL / 1600TL-H1: @120VAC:2units /@230VAC: 4units (AC cable 3*2.5mm²) LSMT2000TL-H1: @120VAC:2units /@230VAC: 1units (AC cable 3*2.5mm²)			
Eifficiency	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 x 340mm x 45mm			
	Weight	3.7kg		3.5kg	
	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			