



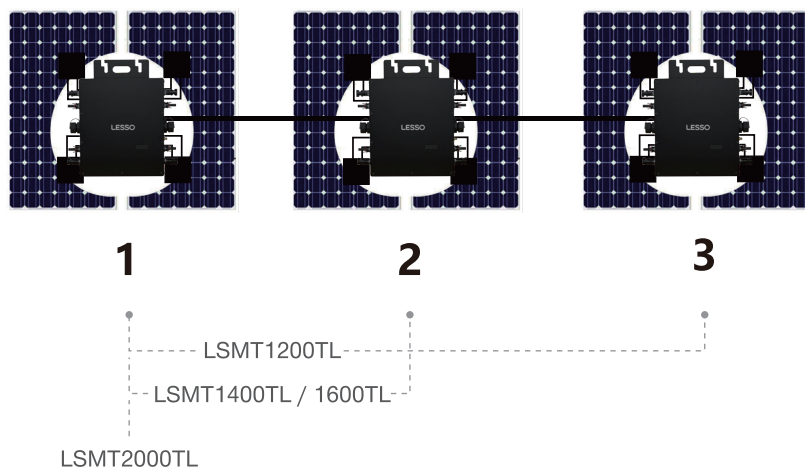
Micro PV Inverter

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			
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*2.5mm ²) LSMT2000TL-H1: @120VAC:2units /@230VAC: 1units (AC cable 3*2.5mm ²)			
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)				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