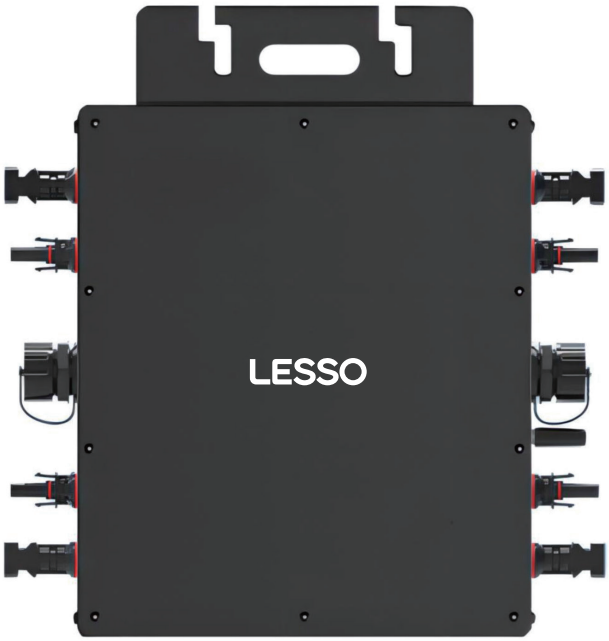
LESSO

Micro PV Inverter

LSMT1200TL
LSMT1400TL
LSMT1600TL
LSMT2KTL



A: AC Connector (Female)

B: DC Connectors

Work Mode

1. Normal: Under this mode, Micro PV Inverter is operating normally and convert DC power into AC power to support the houseloads and feed in to Public Grid.
2. Stand by: in the following case, the Micro PV Inverter will stay in Stand by mode:
   the current condition is contradicted with Micro PV Inverter operating requirement.

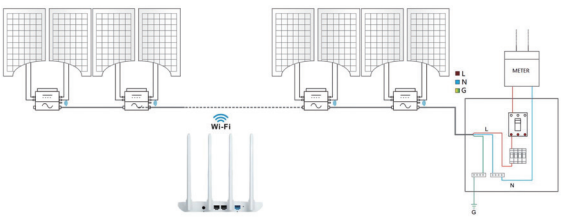
Microinverter Highlights

1. Maximum output poweer of 1200W/1400W/1600W/2000W.
2. The peak efficiency was 94.70%, the CEC-weightted efficiency was 94.50%.
3. Static MPPT efficiency was 99.80%, Dynamic MPPT efficiency was 99.76% on overcast days.
4. Power factor (adjustable) 0.8 ahead...0.8 lag.
5. External antenna used for stronger communication with the DTU.
6. High Reliability: NEMA 3R (IP67) housing.6,000 V Surge Protection.

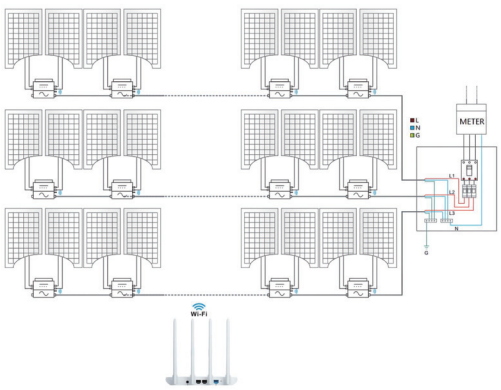
LESSO Micro PV Inverter

DC Input	Model	LSMT1200TL	LSMT1400TL	LSMT1600TL	LSMT2KTL
	Recommend module power	210-400W*4	260-470W*4	310-540W*4	410-680W*4
	Open circuit voltage range	30-60V			
	Peak power tracking voltage	22-60V			
	Min/Max starting voltage	22-60V			
	Maximum DC short circuit current	4 x 14A	4 x 16A	4 x 18A	4 x 23A
	Maximum input working current	4 x 12A	4 x 14A	4 x 16A	4 x 20A
AC Output	Rated output power	1200W	1400W	1600W	2000W
	Rated output current	5.22A	6A	6.95A	8.7A
	Rated voltage range	185-265V			
	Rated frequency range	47~52/57~62Hz			
	Maximum number of branches	6 Pcs (single)			
	Static MPPT efficiency	99.5%			
	Max output efficiency	95%			
	Loss of power at night	<0.5W			
	Total current harmonics	<5%			
	Temperature range	-40°C to +65°C			
	Size (L x W x H)	370mm x 300mm x 41.6mm			
	Net amount	5.26kg			5.16kg
	Waterproof grade	IP67			
	Heat dissipation mode	Natural cooling			
	Comunicationg mode	WiFi			
	Monitoring system	APP, PC			
	Electromagnetic detection	EN50081.part1/EN50082.part1/CSA STD.C22 NO.107.1			
	Power grid standard	EN61000-3-2 EN62109.UL STD.1741			
	Power grid detection	DIN VDE0126 IEEE STD.1547.1 1547.A			

Wiring Diagram-230VAC Single Phase



Wiring Diagram-230VAC/400VAC Three Phase



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