



Micro PV Inverter



LSMT300TL
LSMT350TL
LSMT400TL

A: DC Connectors
B: AC Connector (Female)

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.

Micro PV Inverter Highlights

1. Maximum output power of 300W/350W/400W.
2. The peak efficiency was 94.70%, the CEC-weighttted 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: IP67. housing.6,000 V Surge Protection.

LESSO Micro PV Inverter

DC Input	Model	LSMT300TL	LSMT350TL	LSMT400TL
	Recommend module power	210-400W	260-470W	310-540W
	Open circuit voltage range	30-60V		
	Peak power tracking voltage	22-60V		
	Min/Max starting voltage	22-60V		
	Maximum DC short circuit current	15A	18A	18A
	Maximum input working current	13.7A	16A	16A
AC Output	Rated output power	300W	350W	400W
	Rated output current	1.3A	1.52A	1.73A
	Rated voltage range	185-265V		
	Rated frequency range	47~52/57~62Hz		
	Maximum number of branches	25 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)		165mm x 176mm x 38mm		
Net amount		1.42kg		
Waterproof grade		IP67		
Heat dissipation mode		Natural cooling		
Communication 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

