

LESSO



Micro PV Inverter

LSMT300TL

LSMT350TL



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.
2. The peak efficiency was 94.70%, the CEC-weighted 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.

DC Input	Model	LSMT300TL	LSMT350TL
	Recommend module power	210-400W	260-470W
	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
	Maximum input working current	13.7A	16A
AC Output	Rated output power	300W	350W
	Rated output current	1.3A	1.52A
	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

