



## LSOTH5K5TLL(-P1)

Residential Off-grid Inverter With MPPT (Single Phase High Frequency)



**Efficient  
Higher Revenue**

- Built-in 110A MPPT solar charge
- Wide PV input voltage range



**Intelligent  
Simple O&M**

- Over load / over temperature / short circuit protection
- Smart battery charger design, optimize battery performance



**Flexible  
Abundant Configuration**

- Support grid / generator input
- Compatible with lithium battery
- Up to 6 units in parallel (P model)
- Multiple charging voltage levels for different batteries
- Multiple work mode, support AC priority, solar priority

# LESSO Residential Off-grid Inverter With MPPT (Single Phase High Frequency)

	LSOTH5K5TLL	LSOTH5K5TLL-P1
Rated Power	5500VA/5500W	
<b>Input</b>		
Voltage	230Vac	
Selectable Voltage Range	170Vac~280Vac (for personal computers) 90Vac~280Vac (for home appliances)	
Frequency Range	50Hz / 60Hz (auto sensing)	
<b>Output</b>		
AC Voltage Regulation (Batt. Mode)	230Vac±5%	
Power Surge	11000VA	
Overload Capacity	5s@ ≥ 150% load; 10s@110%~150% load	
Efficiency (Peak)	94%	
Transfer Time	10ms (for personal computers); 20ms (for home appliances)	
Waveform	Pure Sine Wave	
<b>Battery</b>		
Battery Nominal Voltage	48Vdc	
Floating Charge Voltage	52Vdc	
Overcharge Protection	62Vdc	
<b>Solar Charger &amp; AC Charge</b>		
Solar Charger Type	MPPT	
Maximum PV Array Power	6000W	
MPPT Range	120Vdc~450Vdc	
Maximum PV Array Open Circuit Voltage	500Vdc	
Maximum Utility Charge Current	80A	
Maximum Solar Charge Current	110A	
<b>Protection Features</b>		
Protection Features	AC Short Circuit Protection, AC Over Current Protection, Over Temperature Protection, etc.	
<b>Communication</b>		
Display	LCD	
Communication Port	RS232 / RS485	
<b>Standard Compliance</b>		
Safety/ EMC	CE	
<b>General Data</b>		
Dimension (W x H x D)	297 x 472 x 133 mm	
Net Weight	10.5kg	
Protection Degree	IP21	
Operating Temperature	0° C ~ +55° C	
Storage Temperature	-15° C ~ +60° C	
Humidity	5%~95% (non-condensing)	
Parallel Operation	No	Up to 6 pcs