

# LESSO



## Residential Off-grid Inverter With MPPT

### Feature:

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power

- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 6 units (optional)

Product Model		LSOTH3KTL-P2	LSOTH3K5TL-P2	LSOTH5KTL-P2	LSOTH5K5TL-P2	LSOTH6K2TL-P2	LSOTH8KTL-P2	LSOTH10KTL-P2	LSOTH11KTL-P2
Input	Input sources	L+N+PE							
	Rated input voltage	220/230/240VAC							
	Voltage range	90-280VAC±3V (APL Mode) 170-280VAC±3V (UPS Mode)							
	Frequency	50Hz/60Hz (Auto Adaptive)							
Output	Rated power (battery inverter)	3000W	3500W	5000W	5500W	6200W	8000W	10000W	11000W
	Rated power (PV inverter)	3000W	4500W	6500W	6500W	6500W	11000W	11000W	11000W
	Output voltage	220/230/240VAC±5%							
	Output frequency	50/60Hz±0.1%							
	Waveform	Pure Sine Wave							
	Transfer time (adjustable)	Computers(UPS Mode)10ms , Appliance(APL Mode)20ms							
	Peak power	6000VA	7000VA	10000VA	11000VA	12400VA	16000VA	20000VA	22000VA
	Over load ability	Battery Mode:11s@105%~150% Load, 2s@150%~200% Load, 400ms@>200% Load							
Grid-connected operation	Output Voltage	220/230/240VAC±5%							
	Feed into the grid Voltage range	195-253VA							
	Feed into the grid frequency range	49-51±1Hz/59-61±1Hz							
	Nominal output current	13A	15.7A	21.7A	23.9A	26.9A	34.7A	43.4A	47.8A
	Power factor range	> 0.99							
	Max. conversion efficiency (DC/AC)	98%							
Battery	Battery voltage	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc	48Vdc	48Vdc	48Vdc
	Constant charging voltage	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc	56.4Vdc	56.4Vdc	56.4Vdc	56.4Vdc
	Floate charging voltage	27Vdc	27Vdc	54Vdc	54Vdc	54Vdc	54Vdc	54Vdc	54Vdc
Charges	PV charging mode	MPPT	MPPT	MPPT	MPPT	MPPT	MPPT Dual MPPT	MPPT Dual MPPT	MPPT Dual MPPT
	Max PV input power	5000W	5000W	6200W	7500W	7500W	2*5500W	2*5500W	2*5500W
	MPPT tracking range	60-500Vdc	60-500Vdc	60-500Vdc	60-500Vdc	60-500Vdc	90-500Vdc	90-500Vdc	90-500Vdc
	Best voltage	300-400Vdc	300-400Vdc	300-400Vdc	300-400Vdc	300-400Vdc	300-400Vdc	300-400Vdc	300-400Vdc
	Max PV input voltage	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc
	PV max input current	18A	18A	18A	27A	27A	18A/18A	18A/18A	18A/18A
	Max PV charging current	100A	120A	100A	100A	120A	150A	150A	150A
	Max AC charging current	60A	100A	60A	100A	100A	150A	150A	150A
	Max charging current	100A	120A	100A	100A	120A	150A	150A	150A
Display	LCD interface	CAN display runing mode/load/input/output, etc							
Interface	RS232	Baud rate 2400							
	Communication port	Lithium Battery BMS Communication Card WifiCard, Dry Contact							
	Parallel connect interface	No parallel function			Parallel machine (network) function				
Environment	Operating temperature	-10-50°C							
	Humidity	20%-95% (non-condensing)							
	Storage temperature	-15-60°C							
	Altitude	Altiude not over 1000m, derating over 1000m, max 4000m, refer to IEC62040							
	Noise	≤50db							
Standards and certification	EN4EC 60335-1, EN4EC 60335-2-29, IEC 62109-1								

1: The paralel addition of inverters requires the addition of accesories and paralel boards. For more information, please contact the sales manager.

Remarks: Specifications are subject to change without notice.Special voltage and power requirements can be customized designed.The specific appearance is subject to the actual product.