

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 (APP Mode) 170-280VAC±3V (UPS Mode)								
	Frequency	50Hz/60Hz (Auto Adaptive)								
Output	Rated power	3000W	3500W	5000W	5500W	6200W	8000W	10000W	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(APP Mode)20ms								
	Peak power	6000W	7000W	10000W	11000W	12400W	16000W	20000W	22000W	
	Over load ability	Battery Mode:1min@102%~110%Load , 10s@110%~130%Load , 3s@130%~150%Load , 200ms@>150%Load								
	Peak efficiency (battery Mode)	>94%	>94%	>94%	>94%	>98%	>98%	>98%	>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	1500W	1500W	5500W	5500W	6200W	2*5500W	2*5500W	2*5500W	
	MPPT tracking range	30-145Vdc	30-145Vdc	120-500Vdc	120-500Vdc	120-500Vdc	90-500Vdc	90-500Vdc	90-500Vdc	
	Best voltage	30-115V	30-115V	300-400V	300-400V	300-400V	300-400V	300-400V	300-400V	
	Max PV input voltage	150Vdc	145Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	500Vdc	
	Max PV charging current	60A	60A	100A	100A	100A	150A	150A	150A	
	Max AC charging current	60A	60A	100A	100A	80A	120A	150A	120A	
Max charging current	120A	120A	100A	100A	120A	150A	150A	160A		
Display	LCD display	Display running mode/loads/input/output etc.								
Interface	RS232	5Pin/pitch2.0mm , baud rate 2400								
	Communication port	2x5Pin / pitch2.54mm , Lithium Battery BMS Communication Card , WifiCard , Dry Contact								
	Parallel connect interface	Without parallel connect			With parallel (optional) ¹					
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								
Dimension	Net weight	8.8kg		10.58kg			18.99kg			
	Gross weight	10kg		11.96kg			22.25kg			
	Product size	495x312x125mm						571x500x148mm		
	Package size	552x385x193mm						708x570x241mm		

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.