

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
Input	Input sources	L+N+PE			
	Rated input voltage	208/220/230/240VAC			
	Voltage range	154-264VAC±3V (APP Mode) 185-264VAC±3V (UPS Mode)			
	Frequency	50Hz/60Hz (Auto Adaptive)			
Output	Rated power	3000W	3500W	5000W	5500W
	Output voltage	208/220/230/240VAC±5%			
	Output frequency	50/60Hz±0.1%			
	Waveform	Pure Sine Wave			
	Transfer time (adjustable)	Computers(UPS Mode)10ms , Appliance(APP Mode)20ms			
	Peak power	6000VA	7000VA	10000VA	11000VA
	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%
Battery	Battery voltage	24Vdc	24Vdc	48Vdc	48Vdc
	Constant charging voltage	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc
	Floate charging voltage	27Vdc	27Vdc	54Vdc	54Vdc
Charges	PV charging mode	MPPT	MPPT	MPPT	MPPT
	Max PV input power	1500W	1500W	5500W	5500W
	MPPT tracking range	30-145Vdc	30-145Vdc	120-500Vdc	120-500Vdc
	Best voltage	30-115V	30-115V	300-400V	300-400V
	Max PV input voltage	150Vdc	145Vdc	500Vdc	500Vdc
	Max PV charging current	60A	60A	100A	100A
	Max AC charging current	60A	60A	100A	100A
Max charging current	120A	120A	100A	100A	
Display	LCD display	Display running mode/loads/input/output etc.			
Interface	RS232	5Pin/pitch2.0mm , baud rate 2400			
	Communication port	2x5Pin / pitch2.54mm , Lithium lattery BMS communication card , wificard,drycontact			
	Parallel connect interface	Without parallel connect		With parallel (optional) ¹	
Environment	Operating temperature	0-40°C			
	Humidity	20%-95% (non-condensing)			
	Storage temperature	-15-60°C			
	Altitude	Altitude not over 1000m , derating over 1000m , max 4000m , refer to IEC62040			
	Noise	≤50db			
Dimension	Net weight	8.44kg			
	Gross weight	9.79kg			
	Product size	477*318*123mm			
	Package size	552*385*193mm			

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