



3000W-5500W Energy Solutions For Residential And Commercial LSOTH Hybrid Inverters

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: IEC62109-1/2, IEC/EN61000-6-2, IEC/EN61000-6-4
- Model Number: L2SROI
- Minimum Order Quantity: 30 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Power: 3000W - 5500W
- Input Voltage Range: 154-264VAC \pm 3V (APP Mode), 185-264VAC \pm 3V (UPS Mode)
- Output Voltage: 208/220/230/240VAC \pm 5%
- Waveform: Pure Sine Wave
- PV Charging Mode: MPPT (Maximum Power Point Tracking)
- Max PV Input Power: 1500W - 5500W
- Battery Voltage: 24Vdc/48Vdc
- Peak Efficiency (Battery Mode): >94%
- Highlight: Commercial 3000w hybrid inverter, Residential 3000w hybrid inverter, 5500W hybrid inverter 3000w

Product Description

3000W-5500W Energy Solutions for Residential and Commercial LSOTH Hybrid Inverters

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 Description

The LSOTH series hybrid inverters offer advanced energy solutions for residential and commercial applications. These inverters integrate pure sine wave output with a built-in MPPT solar charge controller, ensuring efficient power management. With selectable charging currents and configurable AC/Solar input priority via the LCD settings, the inverter can be customized to suit different energy setups. Featuring cold start functionality and compatibility with mains voltage or generator power, the LSOTH series ensures reliable and flexible power delivery even in challenging environments. The smart battery charger optimizes battery performance, and the system supports parallel operation with up to 6 units, providing scalability for larger installations.

Product Model		LSOTH3KTL-P2	LSOTH3K ⁵ TL-P2	LS ⁰ TH5KTLP2	LSOTH ⁵ K5TLP2
Input	Input sources	L+N+PE			
	Batod input votage	208/220/230/240VAC			
	Voltage range	154-264VAC±3V(APP Mode)185-264VAC±3V(UPS Mode)			
	Freguoncy	50Hz/60Hz(Auto Adaptive)			
Output	Ratedpower	3000W	3500W	5000W	5500W
	Output voltage	208/220/230/240VAC±5%			
	Outputfrequency	50/60Hz±0.1%			
	Waveform	Pure Sine Wave			
	Transfertime(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	Batteryvoltage	24Vdc	24Vdo	48Vdo	48Vdo
	Constant charging vofage	28.2Vdc	28.2Vdc	56.4Vdo	56.4Vdc
	Hoate chargingvoltage	27Vdo	27Vdo	54Vdo	54Vdo
Charges	PV charging mode	MPPT	MPPT	MPPT	MPPT
	Max PV input power	1500W	1500W	5500W	5500W
	MPPT tracking range	30-145Vdo	30-145Vde	120-500Vdc	120-500Vdc
	Best voltage	30-115V	30-115V	300-400V	300-400V
	Max PV input vohage	150Vdo	145Vdo	500Vda	500Vdo
	Max PVcharging current	60A	60A	100A	100A
	Max AC chargingcurrent	60A	60A	100A	100A
	Max charging current	120A	120A	100A	100A

Display	LCD display	Display running mode/loads/input/output etc
	RS232	5Pin/pitch2.0mm,baud rate 2400
Interface	Communication port	2×5Pin/pitch2.54mm,Lithlum latteryBMS communication card,wificard,drycontact
	Parallel connect interface	Wthoutparallel connect Withparallel(optional)
Enwio nmen	Operating temperature	0-40°C
	Humidity	20%-95%(non-condensing)
	Storagetemperatur e	-15-60°C
	Atitude	Altitude not over 1000m,deratingover1000m,max4000m,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 ot inverters equres the adltion of accesorles and paralel boards.For more intormatlon.please contact the sales manager Remarks:Specifications aresubject to change without notice;Special voltage and powerequirements can be customized designed		

Application

The LSOTH series hybrid inverters are ideal for homes, small businesses, and commercial operations that require a combination of solar and utility grid power. These inverters offer excellent performance in areas with frequent power outages, supporting backup power and solar energy integration. With the option for parallel connection, the LSOTH series is suited for larger systems requiring high power output and efficient energy management.

Shipping Methods

Supports global air and sea shipping.



RICHGOOD ENERGY CO.,LTD



willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou