



LS Series Hybrid Inverters For Residential And Commercial Applications

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: Germany VDE-AR-N 4105:2018 South Africa NRS097-2-1:2017 Edition 2.1 IEC/EN 62109-1/-2 IEC/EN 61000-6-1/-2/-3 EN 50549-1:2019/AC:2019
- Model Number: L2SRHI
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- MPPT Efficiency: 99.9%
- Grid Efficiency: 96.5%
- Battery Charging/discharging Efficiency: 95%
- Max. Input Power (PV): Up To 22.5 KW
- Max. Output Power: Up To 15 KW
- Battery Voltage Range: 125–600V
- Protection Degree: IP65 For Outdoor Installation
- Communication Interfaces: RS485, CAN, And Optional WiFi/GPRS/4G
- Highlight: **Residential Hybrid Inverters, Commercial Hybrid Inverters, 600V hybrid power inverter**

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Product Description

LS Series Hybrid Inverters Ideal for Residential and Commercial Applications

Product Highlights

Safe and reliable

- Anti-islanding protection, PV reverse polarity protection, battery reverse polarity protection, insulation resistance monitoring, residual current monitoring, AC overcurrent protection, AC overload protection, short circuit protection

User-friendly and flexible

- Support connection with diesel generator
- Full power discharge and automatic management of battery charge and discharge;
- Natural cooling design with very low noise

Economical

- Support multiple operation mode for better ROI
- UPS mode to guarantee critical loads during power grid blackout

Product Description:

The LS Series Hybrid Inverter provides efficient and reliable energy management for on-grid and off-grid solar systems. With support for 100% unbalanced loads, it is ideal for residential, commercial, and industrial applications. The inverter allows for seamless integration with diesel generators and provides automatic switching between grid and off-grid modes, ensuring critical loads are always powered during outages. With built-in MPPT solar charge controllers and advanced battery management features, this inverter optimizes energy storage and usage. The system is protected by a comprehensive suite of safety features, including anti-islanding, reverse polarity, and short circuit protections.

Basic Parameters					
Type	LSRTH 6KTL3L	LSRTH 8KTL3L	LSRTH 10KTL3L	LSRTH 12KTL3L	LSRTH 15KTL3L
Protection Degree	IP65				
Operating Temperature Range	-35~60℃				
Belative Humidity	0~100%				
Max.Operating Altitude	4000m(Limit over 2000m)				
Cooling Method	Natural cooling				
Noise(dB)	s25dB				
Installation Mode	Wall mounted				
EMC	IEC/EN61000-6-1:2019,IEC/EN 61000-6-2:2019,IEC/EN 61000-6-3:2021,IEN/EN61000-6-4:2019,IEC/EN 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021,IEC/EN 61000-3-11:2019,EN 61000-3-12:2011				
Grid Connection Standards	Europe:EN50549-1:2019/AC:2019; Poland:EN50549-1:2019/Rfg:2016/NC Rfg:2018/PTPiREE;2021; Germany:VDE-AR-N 4105:2018/DIN VDEV0124-100(VDEV0124-100):2020; SouthAfrica:NRS 097-2-1:2017 Edition 2.1;GB;G99/1-6:2020; Spain:UNE217001:2020/UNE217002:2020/NTS V2.1:2021-07,IEC61727:2004/IEC62116:2014/IEC61683:1999; Hungary:EN50549-1:2019/RFG:2016/Hungary				
Safety standard	IEC/EN62109-1:2010,IEC/EN62109-2:2011				
Interface Parameter					
Type	LSRTH 6KTL3L	LSRTH 8KTL3L	LSRTH 10KTL3L	LSRTH 12KTL3L	LSRTH 15KTL3L
Interface	LCD;APP				
BMS Connection	RS485,CAN				
EMS Connection	RS485				
Meter Communication Interface	RS485				
Communication Interface	WFI/GPRS /4G				
Battery Parameter					(ThreePhase)
Type	LSRTH 6KTL3L	LSRTH 8KTL3L	LSRTH 10KTL3L	LSRTH12KTL3L	LSRTH 15KTL3L

Max.Charging/Discharging Power	6600W	8800W	11000W	13200W	16500W
Battery Voltage Range(V)	125~600V				
Battery Operation Voltage Range(V)	150~550V				
Max.Charging/Discharging Current(A)	50A				
RatedCharging/DischargingCurrent(A)	40A				
Battery Type	LiFePO4/Lead acidbattery				
Input Parameter (PV)					
Type	LSRTH 6KTL3L	LSRTH 8KTL3L	LSRTH 10KTL3L	LSRTH 12KTL3L	LSRTH 15KTL3L
Max.Input Power	9000W	12000W	15000W	18000W	22500W
Max.Input Voltage	1000V				
MPPT Voltage Range	180-850V				
FulHoad MPPT Voltage Range	250V-850V	330V-850V	430V-850V	510V-850V	620V-850V
Start Volage	125V				
Max.Current per MPPT	13/13A	13/13A	13/13A	13/13A	20/20A
Max,Short Circuit Current	16/16A	16/16A	16/16A	16/16A	30/30A
Numberof MPP Trackers	2				
Number of MPPT/ Number ofString per MPPT	1/1	1/1	1/1	1/1	2/2
Rated InputVotage	600V				
Output Parameter (Grid AC)					
Type	LSBTH 6KTL3L	LSRTH 8KTL3L	LSRTH 10KTL3L	LSRTH 12KTL3L	LSRTH 15KTL3L
Rated OutputPower	6000VA	8000VA	10000VA	12000VA	15000VA
Max.OutputPower	6600VA	8800VA	11000VA	13200VA	16500VA
Max.Input Grid Power	13200V A	17600V A	22000VA	26400VA	33000VA
Max.Input Grid Current	19.1A	25A	31.8A	38.1A	47.6A
Rated Output Current	8.7A	11.5A	14.4A	17.3A	21.7A
Max.Output Current	9.5A	12.7A	15.9A	19.1A	23.8A
Rated Grd Voltage	380V/400V,3W+N+PE				
Rated Grid Frequency	50Hz/60Hz				
THDI	<2%				
Emergency AC Power Supply (EPS)Parameter					
Type	LSRTH 6KTL3L	LSRTH 8KTL3L	LSRTH 10KTL3L	LSRTH 12KTL3L	LSRTH 15KTL3L
RatedOutputPower	8000VA	8000VA	10000VA	12000VA	15000VA
Max.OutputPower	8800VA	8800VA	11000VA	13200VA	16500VA
Rated Output Current	8.7A	11.5A	14.4A	17.3A	21.7A
Max.OutputCurrent	9.5A	12.7A	15.9A	19.1A	23.8A
Rated Output Voltage	400V,3W+N+PE				
RatedOutputFreque ncy	50Hz/60Hz				
THDu	<2%				
Max.Efficlengy	97.9%	97.9%	98.2%	98.2%	98.5%
European Efficiency	97.2%	97.2%	97.5%	97.5%	97.6%
MPPT Efficiency	99.9%				
Max,Battery Charging/dischargin g Efficiency	97.5%	97.5%	97.5%	97.6%	97.8%
Mechanical Parameter					
Type	LSRTH 6KTL3L	LSRTH 8KTL3L	LSRTH 10KTL3L	LSRTH 12KTL3L	LSRTH 15KTL3L
Dimensions of product/packaging	530*200*560/660*330*720mm				
Weight	30kg	30kg	31kg	32kg	34kg

Application Scenarios:

This hybrid inverter is ideal for residential and commercial energy systems requiring high performance and adaptability to various energy sources such as solar, grid, and diesel generators. It is perfect for areas with intermittent grid supply or remote installations that require reliable backup solutions.

Shipping Methods:

Supports global air and sea shipping.



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