



25-50KW High Efficiency String Inverters For Remote PV System Optimization

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4 IEC 62116, IEC 61727
- Model Number: LSI25K
- Minimum Order Quantity: 66 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Output Power: 25kW-50kW
- MPPT Voltage Range: 200V-1000V
- Max. Input Current: 4×32A / 4×40A
- Nominal Output Voltage: 3L, PE, 380V / 230V / 400V
- Max. Efficiency: 98.8%
- Power Factor: >0.99 (adjustable From 0.8 Leading To 0.8 Lagging)
- Protection Level: IP66
- Dimensions: 647×629×252mm
- Highlight: 50KW String Inverters, 25KW String Inverters, 1000V string solar panels

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- Max. efficiency 98.8%
- String current up to 16A
- 3/4 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)
- Wide voltage range and low startup voltage

- IP66
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life
- Intelligent redundant fan-cooling

- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, WiFi, GPRS
- Scan to register on Lesso PV cloud, supports remote upgrade and control

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- > 150% DC/AC ratio
- Supports high power modules for lower installation costs
- Supports aluminium wire access to reduce cost

The LSBH(25~50)KTL3-E1 series is a high-efficiency commercial PV grid-tied inverter, supporting up to 50kW output power with a maximum conversion efficiency of 98.8%. It features 3 to 8 MPPT inputs, making it suitable for a variety of system designs. With a compact design, the inverter supports RS485, WiFi, and GPRS communication, enabling remote monitoring and management. Its intelligent redundant fan cooling system and integrated PID recovery function (optional) improve the overall system performance. The series also includes comprehensive protection features such as AFCI, DC reverse-polarity protection, and short-circuit protection, ensuring long-term stable operation of the system.

DATASHEET	25K	LSBH(25~40)KTL3 30K 33K 36K			40K	LSBH(40~50)KTL3- E1 40K-HV 50K-HV		
Models InputDC								
Recommended max.PV power	37.5 kW	45 kW	49.5 kW	54 kW	60 kW	60 kW	75 kW	
Max.input voltage		1100V						
Rated voltage	600V							
Starsup voltage	180V							
MPPT voltagerange	200-1000V							
Max.input current	32 A/32 A/32 A			4*32 A				
Max.short circuit current	40 A/40 A/40 A			4*40 A				
MPPT number/Max.input stringsnumber	3/6			4/8				
OutputAC								
Bated output power	25 kW	30 kW	33 kW	36 kW	40 kW	40 kW	50 kW	
Max.apparent output power	27.5 kVA	33 kVA	36.3 kVA	39.6 kVA	44 kVA	44 kVA	55 kVA	
Max.output power	27.5 kW	33 kW	36.3 kW	39.6 kW	44 kW	44 kW	55 kW	
Rated grid voltage	3L,N,PE,220V/380 V,230V/400V					3L,PE,480V		
Ratedgrid frequency	50 Hz/60 Hz							
Ratedgrid output current	38.0A/3 6.1A	45.6A/4 3.3A	50.1A/4 7.6A	54.7 A/520A	60.8A/5 7.7A	48.1A	60.1A	
Max.output current	41.8A	50.2A	55.1A	60.2 A	66.9 A	53.0A	66.2 A	
Power factor	>0.99(0.8 leading-0.8 lagging)							
THDi	<3%							
Efficiency								
Max.efficiency	98.5%		98.6%	98.7%		98.8%		
EU efficiency	98.1%		98.2%	98.3%		98.4%		
Protection								
DC reverse-polarity protection	Yes							
Short circuitprotection	Yes							
Output over current protection	Yes							
Surge protection	DC Typell/AC Type I							
Gnd monitoring	Yes							
Anti-islanding protection	Yes							
Temperature protection	Yes							
Stingsmonitoring	Yes							
V Curve scanning	Yes							
Integrated PID recovery	Optional							
Integrated AFCI (DC aro- fault circuit protection)	Yes							

Integrated DCswitch	Optiona
General Data	
Dimensions (W*H*D)	647*629*252 mm
Weight	37 kg
Topology	Transformerless
Self-consumption(night)	<1W
Operating ambient temperature range	-25~+60℃
Belative humidity	0-100%
Ingress protection	IP66
Coolng concept	Intelligent redundantfan-cooling
Max.operation altitude	4000m
Grid connection standard	G98 or G99,VDEARN4105/VDEV0124,EN 50549-1.VDE 0126/UTEC 15/VFR:2019,RD 1699/RD 244/UNE 206006/UNE 206007-1,CE 0-21.C10/11.NRS 097-2-1,EFS 2018.2,IEC 62116,IEC61727,IEC60068,IEC61683,EN 50530
Safety/EMC standard	IEC/EN 62109-1/-2,IEC/EN 61000-6-1/-2/-3/-4
Features	
DC connection	MC4 connector
AC connection	OT terminal
Display	LCD,2x20 Z.
Communication	RS485,Optionat:W-Fi,GPRS

Application:

The LSBH(25~50)KTL3-E1 series is ideal for medium and large commercial photovoltaic power generation systems, especially in applications requiring high conversion efficiency and remote monitoring and management. This product is suited for grid-tied projects to maximize energy output while simplifying system maintenance and optimizing operational costs.

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