



3KW To 20KW String Inverters 220V 230V 380V 400V 16A to 40A

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, IEC 60068, IEC 61683, EN 50530, MEA, PEA
- Model Number: LSI3K
- Minimum Order Quantity: 66 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Output Power: 3 KW To 20 KW
- MPPT Voltage Range: 160V - 1000V
- Maximum Efficiency: 98.7%
- Nominal Grid Voltage: 220V / 230V / 380V / 400V
- Operating Ambient Temperature Range: -25°C To +60°C
- Maximum Input Current: 16A To 40A
- Protection Rating: IP66
- Weight: 17.8 Kg To 20 Kg
- Highlight: **3 KW String Inverters, 20KW String Inverters, 400V string type inverter**

LSBH 3K20K KTL3 String Inverters and Advanced Protection Features

- Max. efficiency 98.7%
- String current up to 16A
- Wide voltage range and low startup voltage

- IP66
- AFCI protection, proactively reduces fire risk
- Automatic voltage stabilization technology in weak grid conditions

- Supports export power control
- Supports RS485, WiFi, GPRS
- Scan to register on Lesso PV cloud, supports remote upgrade and control

- Compact design, simple installation and maintenance
- > 150% DC/AC ratio
- Supports high power modules for lower installation costs

The LSBH(3K20K)KTL3 ensures optimal energy conversion even under fluctuating environmental conditions. The advanced protection features, including integrated AFCI, anti-islanding, and surge protection, safeguard both the system and the grid, enhancing operational safety. Its compact design facilitates simple installation and maintenance, making it a cost-effective solution for larger solar projects.

DATASHEET LSBH(3~20)KTL3												
Models 3K 4K 5K 6K 8K 9K 10K 12K 13K 15K 17K 20K												
Input DC												
Recommended max.PV power	4.5 kW 6 kW		7.5 kW 9 kW		12 kW 13.5 kW 15 kW		18 kW 19.5 kW 22.5 kW 25.5 kW 30 kW					
Max.input voltage	1100V											
Ratedvoltage	600V											
Start-up voltage	180V											
MPPT voltagerange	160-1000V											
Max,inputcurrent	16 A/16A						32 A/32 A					
Max.short circuit current	20 A/20 A						40A/40A					
MPPT number/Max,input strings number	2/2						2/4					
Output AC												
Ratedoutput power	3 kW	4 kW	5 kW	6 kW	8 kW	9 kW	10 kW	12 kW	13 kW	15 kW	17 kW	20 kW
Max.apparent output power	3.3 kVA	4.4 kVA	5.5 kVA	6.6 kVA	8.8 kVA	9.9 kVA	11 kVA	13.2 kVA	14.3 kVA	16.5 kVA	18.7 kVA	22 kVA
Max.outputpower	3.3 kW	4.4 kW	5.5 kW	6.6 kW	8.8 kW	9.9 kW	11 kW	13.2 kW	14.3 kW	16.5 kW	18.7kW	22 kW
Rated grid voltage					3L,N,PE,220V/380V,230			V/400V				
Rated grid frequency	50 Hz/60 Hz											
Ratedgridoutput current	4.6A / 4.3 A	6.1 A/ 5.8A	7.6A / 7.2 A	9.1 A/ 8.7 A	12,2 A/ 11.5 A	13.7 A/ 15.2 A/ 14.4 A	18,2 A/ 17.3 A	19.8 A/ 18.8 A	22.8 A/ 21.7 A	25,8 A/30.4A/ 24.6A	28.9 A	
Max.outputcurrent	4.7A	6.4 A	7.9 A	9.5A	12.7 A	14.3 A 15.9 A	19.1 A	20.7 A	23.8 A	27 A	31.8 A	
Power factor	>0.99(0.8 leading-0.8 lagging)											
THD	<2%											
Efficiency												
Max.efficiency	98.3%				98.5%		98.6%			98.7%		
EU efficiency	97.7%				97.9%		98.0%			98.1%		
Protection												
DC reversepolarity protection	Yes											
Short circuitprotecton	Yes											
Output over current protection	Yes											
Surgeprotection	Yes											
Grdmonitoring	Yes											
AntHslandingprotection	Yes											
Temperature protection	Yes											
ntegrated AFCI (DC aro-tault circuitprotection	Yes											
ntegrated DC switch	Optional											

General Data	
Dimensions(W*H*D)	310*563*219 mm
Weight	17.8kg 18.8kg 20kg
Topoogy	Transformedess
Selfconsumption(night)	<1W
Operating ambient temperature range	-25~+60°C
Relative humidity	0-100%
ngress protection	IP66
Cooling concept	Natural convection ntelligent redundant fan-cooling
Max.operationaltitude	4000m
Grid connection standard	098 or G99,VDEARN 4105/VDEV0124,EN 50549-1,VDE 0126/UTEC 15/VFR:2019,RD 1699/RD 244/UNE 206006/UNE 206007-1.CEI0-21,C10/11,NRS 097-2-1, FS 2018.2,IEC 62116.IEC61727,IEC 60068,IEC61683.EN 50530
Safety/EMC standard	IEC/EN 62109-1/-2,IEC/EN 61000-6-1/-2/-3/4
Features	
DC connection	MC4connector
AC connection	Quick connectionplug
Display	LCD,2×20 Z.
Communication	RS485,Optionat:WiFi,GPRS
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Application:

The LSBH(3K~20K)KTL3 series is ideally suited for commercial and industrial solar power systems, where high performance, safety, and scalability are essential. Its three-phase configuration and wide voltage range make it particularly useful for large installations that require robust power management and efficient energy conversion. The inverter is perfect for projects where reliability and advanced protection features, such as AFCI and grid monitoring, are crucial.

Shipping Methods:

Supports global air and sea shipping.



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