



Industrial Solar Plants With 50kW 60kW 70kW Central Inverters 55kVA 66kVA 77kVA

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, UNE 206007-1, CEI 0-21 IEC 62109-1/-2, IEC 62116, IEC 61000-6-1/-2/-3/-4 EMC standard: IEC 61000-6-2/4
- Model Number: LS50
- Minimum Order Quantity: 66 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Rated Output Power: 50kW / 60kW / 70kW
- Maximum Output Power: 55kVA / 66kVA / 77kVA
- MPPT Voltage Range: 180-1000V
- Nominal Output Voltage: 220V / 380V / 400V
- Efficiency: 98.7% Max Efficiency
- Operating Ambient Temperature Range: -25°C ~ +60°C
- Maximum Input Current: 532A / 632A
- Dimensions: 691mm X 578mm X 338mm
- Highlight: **50kW central inverters, 60kW central inverters, 70kW central inverter solar**

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Product Description

Industrial Solar Plants Made Easy with LSBH 50-70 KTL3 Series Central Inverters

Efficient

- Max. efficiency 98.7%
- String current up to 16A
- 5/6 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)

Smart

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

Safe

- IP66, C5 Anti-Corrosion Level
- Intelligent redundant fan-cooling
- Globally recognised branded componentry for longer life
- AFCI protection, proactively reduces fire risk

Economic

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost
- 10/12 string inputs allow for 150%+ DC oversizing

Product Description:

The LSBH (50~70) KTL3 series PV inverters are designed for large-scale solar power installations, delivering high efficiency and reliable performance. With models ranging from 50kW to 70kW, these inverters are equipped with a wide MPPT voltage range (180-1000V) to maximize energy yield, even in varying sunlight conditions. The 5/6 MPPT design allows for multiple orientations in system design, ensuring flexibility for complex installations. With features such as night time PID recovery function and AFCI protection, these inverters offer advanced safety and efficiency. The intelligent redundant fan-cooling system ensures optimal thermal management, enhancing the inverter's lifespan. Its IP66 enclosure and C5 anti-corrosion level make it suitable for harsh outdoor environments. The built-in Wi-Fi and GPRS communication provide remote monitoring and control, making it ideal for large-scale commercial or industrial solar projects.

DATASHEET	LSBH(50~60)KTL3		LSBH(60~70)KTL3-E1	
Models	50K 60K		60K-HV 70K-HV	
Input DC				
Max.input voltage	1100V			
Ratedvoltage	600V		720V	
Start-up voltage	195V			
MPPT voltage range	180-1000V			
Max.input current	5*32 A	6*32 A		
Max.short circuit current	5*40 A	6*40 A		
MPPT number/Max.input strings number	5/10	6/12		
OutputAC				
Rated output power	50 kW	60kW	60 kW	70 kW
Max.apparent outputpower	55 kVA	66 kVA	66 kVA	77 kVA
Max.output power	55 kW	66 kW	66 kW	77 kW
Rated grid voltage	3L,N,PE,220V/380V,230V/400V		3L,PE,480V	
Rated grid frequency	50 Hz/60 Hz			
Rated grid output current	76.0 A/72.2 A	91.2A/86.6 A	72.2 A	84.2 A
Max.output current	83.6 A	100.3 A	79.4 A	92.6 A
Powerfactor	>0.99(0.8 leading-0.8 lagging)			
THDi	<3%			
Efficiency				
Max effidency	98.7%			
EU effidency	98.3%		98.4%	
Protection				
DC reverse-polarity protection	Yes			
Short circuit protection	Yes			
Outputover current protection	Yes			
Surgeprotection	DC Type II/AC Type II			
Grid monitoring	Yes			
Anti-sanding protection	Yes			
Temperature protection	Yes			
Stongs monitonng	Yes			
I/V Curve scanning	Yes			
Integrated AFCI(DC aro-fault circuit protection)	Yes			
Integrated PID recovery	Optional			
Integrated DCswitch	Optional			
General Data				
Dimensions (W*H*D)	691*578*338 mm			
Weight	54.5 kg			

Topology	Transformerless
Self-consumption (night)	<1W
Operating ambient temperature range	-25~+60°C
Relative humidity	0-100%
Ingress protection	IP66
Cooling concept	Intelligent redundant fan-cooling
Max.operation altitude	4000m
Grid connection standard	G99,VDE-AR-N 4105/VDEV0124,EN 50549-1,VDE 0126/UTEK 15/VFR:2019,RD 1699/RD 244/UNE 206006/UNE 206007-1,CEI0-21,C10/11,NRS 097-2-1,EIFS 2018.2,IEC 62116,IEC61727,IEC60068,IEC61683,EN 50530
Safety/EMC standard	IEC62109-1/-2,IEC621168IEC61000-6-1/-2/-3/-4
Features	
DC connection	MC4 connector
AC connection	OT terminal(max 70mm²)
Display	LCD.Capacitive touch buttons
Communication	RS485,USB,Optional Wi-Fi,GPRS

Application:

The LSBH (50~70) KTL3 series inverters are suitable for utility-scale solar installations, large commercial rooftops, and industrial solar plants. With their multiple MPPTs, high DC/AC ratio, and advanced monitoring features, they are ideal for projects requiring high reliability and remote management. The inverters are designed to work efficiently in various environmental conditions, ensuring high energy production even in challenging climates.

Shipping Methods:

Supports global air and sea shipping.



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