



33-50W High Efficiency Central Inverters With Intelligent String Monitoring

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: NB/T 32004-2018 IEC61727 NB/T 32004-2018 EC 62109-1/2
- Model Number: LS2IPVI
- Minimum Order Quantity: 66 sets
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T

PV Inverter
LSBH (33-50) KTL3-OC



Product Specification

- Rated Output Power: 33kW - 50kW
- Max DC Input Power: 39,600W - 60,000W
- MPPT Voltage Range: 200 - 1000Vdc
- Nominal Output Voltage: 400V
- Max. Efficiency: 98.7%
- THD (Total Harmonic Distortion): <2%
- Max. Operating Altitude: 4000m
- Dimensions: 610mm X 564mm X 218mm
- Highlight: **50W Central Inverters, 33w Central Inverters, 50kW central inverter system**

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Product Description

33-50W High-Efficiency Central Inverter with Intelligent String Monitoring

Product Description:

The LSBH (33~50) KTL3-OC is a high-efficiency central inverter designed to support large-scale solar power systems. With a maximum efficiency of 98.7% and support for wide voltage input, this model is ideal for both commercial and utility-scale solar installations. Its fan cooling technology ensures optimal thermal management even in demanding environments. This model is designed with up to 3 to 4 MPPTs (Maximum Power Point Tracking) for improved energy harvest from PV systems with different string orientations or partial shading conditions.

The inverter also supports intelligent features like GPRS/WiFi communication for simplified installation and reduced wiring costs. It provides intelligent string monitoring, supports RS485 communication, and offers AFCI protection, reducing the risk of fire. Additionally, its night-time PID recovery function helps increase overall system yield by maintaining high energy efficiency.

Product Model		LSBH33KTL3-0C1	LSBH36KTL3-0c1	LSBH40KTL3-0c1	LSBH50KTL3-0C1
Input	Max.DC Input Power	39600W	43200W	48000W	60000W
	Max.DC InputVoltage	1100V			
	Max.DCInputCurent	36A/36A/20A	36A/36A/20A/20A		
	MPPT Voltage Range	200~1000Vdc			
	Recommended Working Voltage	650V			
	MPPT Number	3	4		
	Max hput Strings per MPPT	02/2/2	2/2/2/2		
Output	Rated Output Power	33000W	36000W	40000W	50000W
	Max.AC Power	36.3kVA	39.6kVA	44kVA	55kVA
	Max.OutputCurrent	53A	56A	65A	80A
	Rated Power Gnd Voltage	400V			
	PowerGnd Voltage Range	310-480Vao			
	Bated Power Gnd Frequency	50Hz/60Hz			
	Grid Frequency Range	45-55Hz/55-65Hz			
	THD	<2%(under rated power)			
	Power Factor	>0.99 (under rated power)/Adjustable range0.8(leading)-0.8(lagging)			
	DC Component	<0.5%(under rated power)			

System Data	Max.Efficiency	98.6%	98.6%	98.6%	98.7%
	Euro,efficiency	98.1%	98.1%	98.2%	98.2%
	Humidity	0-100%,no condensation			
	Cooing	Fan			
	Ambient Temperature Range	-25~+60℃			
	Consumption During Night	<1W			
	Altitude	4000m			
	Display	LED/LCD(optional)			
	Communication Interface	RS485/GPRS/Wifi (optional)			
Mechanica Data	Size	610x564x218mm			
	Weight	37kg 39kg			
	Protection Level	IP66			
Conforming Standards	Standards for Grd Connection	NB/T 32004-2018;IEC61727			
	Safety Standard	NB/T 32004-2018;EC 62109-1/2			
	EMC	IEC61000-6-2/4			
Remarks:Speciications are subject to change without notice;Special voltage and power requirements can be customized designed					

Application:

The LSBH (33~50) KTL3-OC is ideally suited for large commercial solar installations and utility-scale power plants. It is perfect for scenarios requiring high power output and robust grid support while optimizing energy efficiency. The inverter's durable design and IP66 protection make it suitable for harsh environmental conditions, supporting energy generation across a wide range of temperatures and altitudes.

Shipping Methods:

Supports global air and sea shipping.

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