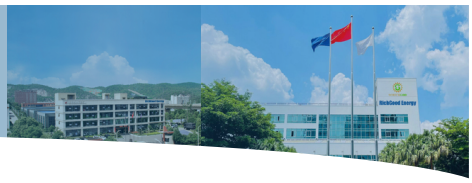

1000-6000W Adjustable Charging Current And Three Working Modes In LSOTH Off Grid Inverters

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: ISO 9001 CE Certification IEC 62109-1 / IEC 62109-2 RoHS
- Model Number: LS1-6k
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T

Product Specification

- Rated Power: 1000W - 6000W
- Battery Voltage: 12V/24V/48V DC
- Input Voltage Range: 85VAC~295VAC
- Output Voltage: 110VAC/120VAC/220VAC/240VAC
- Efficiency (AC Mode): ≥99%
- AC Charging Current: 0-30A (adjustable Depending On Model)
- Peak Power: Up To 3 Times The Rated Power
- Operating Temperature: -10°C To 40°C
- Highlight: **6000W Off Grid Inverters**, **1000W Off Grid Inverters**, **24V 1 kw off grid solar inverter**

Product Description

1000-6000W Adjustable Charging Current and Three Working Modes in LSOTH Off-Grid Inverters

Feature

- Split phase output
- Toroidal low-loss transformer, high inverter efficiency, pure sine wave output
- Intelligent LCD integrated display
- New appearance design, built-in photovoltaic MPPT controller
- Mains charging current is adjustable, allowing users to configure battery capacity more flexibly
- Three working modes can be set (AC mode, battery mode, energy saving mode)
- The startup peak power is more than 3 times, with fully automatic and complete protection functions
- Added fault code query function to facilitate users to monitor operating status in real time
- Supports diesel generators and can be used in harsh power environments
- Suitable for both industrial and residential scenarios, wall-mounted design, easy to install

Product Description

The LSOTH series of off-grid inverters is engineered for both residential and industrial use, designed to operate efficiently in harsh environments. Featuring a toroidal low-loss transformer and pure sine wave output, it ensures reliable power delivery with high inverter efficiency. The intelligent LCD integrated display allows for easy monitoring of the system's performance. Additionally, the inverter supports adjustable mains charging current, enabling users to configure battery capacities flexibly. With its built-in MPPT controller and three working modes (AC mode, battery mode, and energy-saving mode), this inverter adapts to a wide range of applications. Its wall-mounted design makes installation simple, and the startup peak power exceeds three times the rated power, providing robust performance under demanding conditions.

Type		LSOTH1 KS-M01	LSOTHIK 5S-M⁰1	LsonPKS Mo	LSonH³K SMo	LSOTH4 KS-M01	LSOTH5 KSM	LSOTHB KS⁴M01
Rated Power		1000W	1500W	2000W	3000W	4000W	5000W	6000W
Poak Ponor(20mg		3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	18000VA
Start Motor		1HP	1,5HP	2HP	3HP	3HP	4HP	4HP
Battery Voliage		12/24/48VDO			24/48VD C	24/48VD O	48VDC	
Max AC charging current		0~30A(Depending on model)						
Sizo(L*W'Hmm)		500x300x140				530x335x150		
Packing Size(L*W*Hmm)		565x395×225				605x420x235		
N,W. (kg		12	13.5	18	20	22	24	26
GWJkg		13.5	15	19.5	21.5	24	26	28
Installation Mothod		Wall-Mounted						
Inpu t	DC Ihput Voltage Range	10,5-15VDC (Single battery voltage)						
	ACInput Voltage	110V/120AC or 220VAC/240AC						
	AC Input Voltage Range	85VAC-138VAC(110VAC)/95VAC-148VAC(120VAC)/170VAC-275VAC(220VAC)/190VAC-295VAC(240VAC)						
	ACInput Frequency Range	45Hz-55Hz(50Hz)/55Hz-65Hz(60Hz)						
	ACchargingmeth od	Three-stage (constant current,constant voltage,floating charge)						
Out put	Efficiency(Batter y Mode)	≥85%						
	Output Voltage(Battery Mode	110VAC or 120VAC;220VAC or 240AC						
	Output Frequency(Batte ry Mode)	50/60Hz±1%						
	Output Wave(Battery Mode)	Pure Sine Wave						
	Efficiency(AC Mode)	299%						
	OutputVotage(A CMode)	110VAC or 120VAC;220VAC or 240AC						
	Output Frequency(AC Mode)	Follow input						
	Output waveform distortion (Battery Mode)	≤3%(Linear load)						

	No load loss(Battery Mode)	s0.8%rated power
	No load loss(AC Mode)	s0.8%rated power
	Noload loss (Energy saving Mode	s10W
Batt ery Typ e	VRLA Battery	ChargeVoltage :14.2V;Foat Voltage:13.8V(Single battery voltage
	Customze battery	Charging and dschargingparameters of different types of batteries can be customized according touser requirements (charginganddischarging parameters ofdifferent types of batteriescan be set throughthe operation panel)
Protection		Battery under voltage alarm,Battery under voltage protection,Battery over voltage alarm,Battery over voltage protection Battery over voltage recovery voltage,Overload power protection,Irverter output short clrcul protection,Temperature protectionnel
Alar m	A	Normal working condition,buzzerhas no alarm sound
	B	Buzzer sounds 4 times per second when battery failure,voltage abnormality,overload protection
	C	When the machine is tumed on for the firsttime,thebuzzer will prompt 5 whèn the machine is normal
Sola r c0nt ollo	Charging current	2V/24V:40A; 48V:30A / 12V/24V:60A; 48V:30A / 12V/24V:60A: 48V:30A / 60A / 24V:60A; 48V:60A or100A / 60Aor100A / 160Aor100A
	PVInput Voltage Range	15V-120V(12V System);30V-120M(24V System):60V-120M(48V System)
	Max PVInput Voltage(Voc) (At the lowest temperature	150V
	PV Array Maximum Power	12V System:560W(40A/840W(60A);24VSystem:1120W(40A/1680W(60A):48V System:1680W(30A/3360W(60AV5600W(100A)
	Standby loss	s3W
	Maximum conversion efficiency	>95%
Working Mode		Battery First/AC First/Saving EnergyMode(Can be set)
Transfer Time		≤4ms
Display		LCD
Thermal method		Cooling fan in intelligent contro
Communicaton		RS485/APP (WIF monitoring or GPRS monitoring)
Envi ron men t	Operating temperature	-10°°C~40°C
	Storage temperature	-15°C~60°C
	Noise	655dB
	Elevation	2000m(More than derating
	Humidity	0%-95%,No condensation
Note:All specifications aresubject to chargewithoutpriornotice		

Application

This series is ideal for off-grid power solutions in residential and industrial applications, particularly in regions with unreliable grid connections or where independence from the grid is preferred. The LSOTH series is well-suited for use with diesel generators, making it highly versatile for remote locations and harsh environments.

Shipping Methods:

Supports global air and sea shipping.

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