



1kw-12kw Off Grid Inverter Multiple MPPT Control Module Power Management

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: NB/T 32004-2018, IEC 62109-1/2, and IEC 61000-6-2/4
- Model Number: L3ROI
- Minimum Order Quantity: 20 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Power Range: 1kW To 12kW
- Battery Voltage: 12V / 24V / 48V
- PV Input Operating Voltage: 15V-230V (depending On System)
- Max PV Array Power: 1440W (24V), 3840W (48V)
- MPPT Efficiency: ≈99%
- Inverter Output Voltage: Adjustable 200V-240V
- Inverter Efficiency: ≈90%
- AC Input Voltage Range: 110VAC To 280VAC (adjustable)
- Highlight: **1KW 12kw off grid inverter,
12V 12kw off grid inverter,
24V battery inverter off grid**

for more products please visit us on fuhaosolar.com

Product Description

1KW-12KW Multiple MPPT Control Module Power Management with LSOTHL Off-Grid Inverters

Product Description

The LSOTHL series of residential off-grid inverters with built-in MPPT technology offers a highly efficient solution for managing power in homes that are either off-grid or require an independent power backup. With multiple power capacities ranging from 1kW to 12kW, these inverters are designed to handle various load demands effectively. The MPPT control module ensures maximum efficiency in solar charging, even during device downtime. Equipped with advanced protection systems, such as battery low voltage protection and overheating prevention, the LSOTHL series ensures reliable performance under a range of environmental conditions.

Product Model	LSOT H1KL	LSOT H2KL	LSOT H3KL	LSOT H4KL	LSOT H5KL	LSOT H6KL	LSOT H8KL	LSOT H10KL	LSOT H12KL
Bated Power	1kW	2kW	3kW	4kW	5kW	6kW	8kW	10kW	12kW
Max.Power	3kW	6kW	9kW	12kW	15kW	18kW	24kW	30kW	36kW
Rated Battery Voltage	12/24/ 48V	12/24/ 48V	12/24/ 48V	24/48V	24/48V	24/48V	48V	48V	48V
MPPT Control Module	Charge Current	60A	80A	80A	80A	80A	80A	80A	80A
	PV Module Input	1 circuit (80A)							
	PV InputOperating Voltage	15V-180V(12V System);30V-180V(24V System);60V-230V(48V System)							
	Maximum PVArray Power	60A:720W(12V System)1440W(24VSystem);3840W(48V System);							
	Max.Charge Current (Adjustable)	OFF/30A/60A							
	Control Module Efficiency	=99%							
	Unattended mode	MPPT Control Module continues to charge battery from PVmodule even when device is switched off							
Input	DC Input Voltage Range	10.5VDC-15VDC(12V voltage unit)(lead acid battery)							
	MainsAC Input Voltage Range	110Vac:(80-130)Vac;220Vac:(160-260)Vac/(130-280)Vac (Adjustable)							
	MainsAC Input Frequency	45HZ-65HZautomatic match							
	MainsAC Charge Current (Adjustable)	ON/OFF (Adjustable)							
Output	Inverteroutput voltagewavefor m	Pure sine wave							
	Inverter output Efficiency	=90%							
	Inverter output voltage	200V/210V/220V/230V240V(Adjustable)							
	Inverter output Frequency	50Hz/60Hz(Adjustable)							
	ACOutputvoltage	110VAC±10%/220VAC±10%							
	AC outputFrequency	Automatic tracking							
	Energy loss under power saving mode	5W							

Operating Mode	Inverter operating mode	MainsAC priority mode,batter priority mode ECO mode,unattended mode,power generation mode
Battery Parameter	Supported battery type	Lead acid battery/LiFePO ₄ battery/NiCoMnbattery/Gel battery/Customer self-defined
	Battery defining parameter	Constant-voltage charging setting.float-voltage charging seting,battery recovery voltage setting. mains AC recovery voltage setting,low voltage alarm setting,low voltage protection setting
	Battery charging mode	Lead acid battery:constant current,constant voltage,floatcharging LiFePO ₄ battery:constant current,constant voltage
	Lithium type battery selection	LiFePO ₄ battery:3.2V per unit NiCoMn battery:3.7Vper unit
Protecti on	System Protection	Battery low vottage protection/Battery high voltage protection/Overload protection/Overheatingprotection,eto

Display	LCD display	Mains AC status,DC-AC status,charging status,alarm								
	Operating display	Operating status,Input&output voltage,PVmoduleoperating information,Inverter operatinginformation and eto.								
	Language	English/Chinese (Adjustable)								
Switch Time		<5ms								
Cooling Method		Smarttemperature control system								
Communication		RS232/RS485(optional)								
Operating Temperature		(-10°C~40°C)								
Operating Altitude		≤3000m								
Product Dimensions		495*320*220mm						560*390*200mm		
Package Dimensions		600*380*290mm						715*420*316mm		
Net Weight (kg)(Approx)		11kg	16.5kg	19.5kg	22kg	25kg	28kg	31.5kg	36kg	40kg
Gross Weight (kg) (withwooden crate) (Approx)		14kg	19.5kg	22kg	25kg	28kg	31kg	36kg	41kg	45kg
Remarks:Specifications are subject to change without notice;Special voltage and power requirements can be customized designed										

Application

These inverters are suitable for residential applications, particularly in remote areas or where power instability is frequent. They are ideal for homes seeking a complete off-grid solution or needing backup power from renewable sources like solar energy.

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