

LESSO

LSOTH1-6KS-M01

Off-grid Inverter with MPPT

>> Models:

- LSOTH1KS-M01
- LSOTH1K5S-M01
- LSOTH2KS-M01
- LSOTH3KS-M01
- LSOTH4KS-M01
- LSOTH5KS-M01
- LSOTH6KS-M01



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

Type	LSOTH1KS-M01	LSOTH1K5S-M01	LSOTH2KS-M01	LSOTH3KS-M01	LSOTH4KS-M01	LSOTH5KS-M01	LSOTH6KS-M01	
Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W	
Peak Power(20ms)	3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	18000VA	
Start Motor	1HP	1.5HP	2HP	3HP	3HP	4HP	4HP	
Battery Voltage	12/24/48VDC			24/48VDC	24/48VDC	48VDC		
Max AC charging current	0~30A (Depending on model)							
Size(L*W*Hmm)	500x300x140				530x335x150			
Packing Size(L*W*Hmm)	565x395x225				605x420x235			
N.W.(kg)	12	13.5	18	20	22	24	26	
G.W.(kg)	13.5	15	19.5	21.5	24	26	28	
Installation Method	Wall-Mounted							
Input	DC Input Voltage Range	10.5-15VDC (Single battery voltage)						
	AC Input Voltage	110V /120AC or 220VAC/240AC						
	AC Input Voltage Range	85VAC~138VAC (110VAC) / 95VAC~148VAC (120VAC) / 170VAC~275VAC(220VAC) / 190VAC~295VAC(240VAC)						
	AC Input Frequency Range	45Hz~55Hz(50Hz) / 55Hz~65Hz(60Hz)						
	AC charging method	Three-stage (constant current, constant voltage, floating charge)						
Output	Efficiency(Battery Mode)	≥85%						
	Output Voltage(Battery Mode)	110VAC or 120VAC ; 220VAC or 240AC						
	Output Frequency(Battery Mode)	50/60Hz±1%						
	Output Wave(Battery Mode)	Pure Sine Wave						
	Efficiency(AC Mode)	≥99%						
	Output Voltage(AC Mode)	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)	≤0.8% rated power						
No load loss(AC Mode)	≤0.8% rated power							
No load loss (Energy saving Mode)	≤10W							
Battery Type	VRLA Battery	Charge Voltage :14.2V; Float Voltage:13.8V (Single battery voltage)						
	Customize battery	Charging and discharging parameters of different types of batteries can be customized according to user requirements (charging and discharging parameters of different types of batteries can be set through the 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 , Inverter output short circuit protection , Temperature protectionnel)							
Alarm	A	Normal working condition, buzzer has no alarm sound						
	B	Buzzer sounds 4 times per second when battery failure, voltage abnormality, overload protection						
	C	When the machine is turned on for the first time, the buzzer will prompt 5 when the machine is normal						
Solar controller	Charging current	2V/24V:40A; 48V:30A	12V/24V:60A; 48V:30A	12V/24V:60A; 48V:30A	60A	24V:60A; 48V:60Aor100A	60Aor100A	160Aor100A
	PV Input Voltage Range	15V-120V(12V System); 30V-120V(24V System); 60V-120V(48V System)						
	Max PV Input Voltage(Voc) (At the lowest temperature)	150V						
	PV Array Maximum Power	12V System: 560W (40A)/840W(60A); 24V System: 1120W(40A)/1680W(60A); 48V System: 1680W(30A)/3360W(60A)/5600W(100A)						
	Standby loss	≤3W						
Maximum conversion efficiency	>95%							
Working Mode	Battery First/AC First/Saving Energy Mode (Can be set)							
Transfer Time	≤4ms							
Display	LCD							
Thermal method	Cooling fan in intelligent control							
Communication	RS485/APP (WIFI monitoring or GPRS monitoring)							
Environment	Operating temperature	-10°C~40°C						
	Storage temperature	-15°C~60°C						
	Noise	≤55dB						
	Elevation	2000m (More than derating)						
	Humidity	0%~95% ,No condensation						

Note: All specifications are subject to change without prior notice