



OFF GRID HYBRID INVERTER

LS-HF24V PV 500V Series



Efficient

- High energy efficiency: up to 99.9% MPPT capture efficiency.
- Efficient heat dissipation: via intelligent adjustable speed fans.



User-friendly

- Load friendly: Stable sine wave AC output via SPWM modulation.
- Supports a wide range of battery technology: GEL, AGM, Flooded, LFP, and program.



Reliable

- Dual LFP battery activation method: PV&mains
- Uninterrupted power supply: simultaneous connection to utility grid/generator and PV.
- Power saving: power saving mode automatically reduces power consumption at zero-load.



Intelligent

- Intelligent programming: the priority of the output from different energy sources can be set.
- Instant viewing of operation: the LCD panel displays data and settings ,while you can also be viewed using the app and webpage.



Safety

- Multiple safety protection functions: short circuit protection, overload protection, reverse polarity protection, and so on.under-voltage and over-voltage protection and reverse polarity protection.

Parameters

Model	LS-HF2430S80H	Adjustable
Battery Input		
Battery type	Sealed、Flood、GEL、LFP、Ternary	√
Rated Battery Input Voltage	24V(Minimum Startup Voltage 22V)	
Hybrid Charging Maximum Charging Current	80A	√
Battery Voltage Range	20Vdc~33Vdc±0.3Vdc(Undervoltage Warning/Shutdown Voltage/Overvoltage Warning/Overvoltage Recovery...)	√
Solar Input		
Maximum PV Open-circuit	500Vdc	
PV Working Voltage Range	120-500Vdc	
MPPT Voltage Range	120-450Vdc	
Maximum PV Input Current	13A	
Maximum PV Input Power	4000W	
Maximum PV Charging Current	80A	√
AC Input(generator/grid)		
Mains Maximum Charging Current	80A	√
Rated Input Voltage	220/230Vac	
Input Voltage Range	UPS Mains Mode:(170Vac~280Vac)±2% APL Generator Mode:(90Vac~280Vac)±2%	√
Frequency	50Hz/ 60Hz(Automatic Detection)	
Mains Charging Efficiency	>95%	
Switch Time (bypass and inverter)	10ms(Typical Value)	
Maximum Bypass Overload Current	30A	
AC Output		
Output Voltage Waveform	Pure Sine Wave	
Rated Output Voltage (Vac)	230Vac	√
Rated Output Power(VA)	3500	

