

LS Inverter/Solar Inverter (1500W)

Feature:

- ◆ Pure sine wave output;
- ◇ Low frequency toroidal transformer lower loss;
- ◆ Intelligent LCD integration display;
- ◇ Built-in PWM or MPPT controller optional;
- ◆ AC charge current 0~30A adjustable, three working modes selectable;
- ◇ Peak power more than 3 times, full-automatic and perfect protection function;
- ◆ Added fault code query function, easy to monitor the operation in real time;
- ◇ Supports diesel or gasoline generator, adapt any tough electricity situation;
- ◆ Combine industrial and home usage, wall-mounted design, convenient installation.



Product Parameters

Specification

Model LS/LS-T	15212 (152)
Rated Power	1500W
Peak Power (20ms)	4500VA
Start Motor	1.5HP
Battery Voltage	12VDC
Size(L*W*Hmm)	500*300*140
Packing Size(L*W*Hmm)	565*395*225
N.W.(kg)	13.5
G.W.(kg) (Carton Packing)	15
Installation Method	Wall-Mounted

Parameter

Input	DC Input Voltage Range	10.5-15VDC (Single battery voltage)
	AC Input Voltage Range	85VAC~138VAC
	AC Input Frequency Range	45Hz~55Hz(50Hz) / 55Hz~65Hz(60Hz)
	Max AC charging current	0~30A(Depends on model)
	AC charging method	Three-stage (constant current, constant voltage, floating charge)
Output	Efficiency(Battery Mode)	≥85%
	Output Voltage(Battery Mode)	110VAC±2%
	Output Frequency(Battery Mode)	50/60Hz±1%
	Output Wave(Battery Mode)	Pure Sine Wave
	Efficiency(AC Mode)	>99%
	Output Voltage(AC Mode)	110VAC±10%
	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)	≤2% rated power (charger does not work in AC mode)
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)
	Battery undervoltage alarm	Factory default: 11V (Single battery voltage)

Protection	Battery undervoltage protection	Factory default: 10.5V (Single battery voltage)
	Battery overvoltage alarm	Factory default: 15V (Single battery voltage)
	Battery overvoltage protection	Factory default: 17V (Single battery voltage)
	Battery overvoltage recovery voltage	Factory default: 14.5V (Single battery voltage)
	Overload power protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)
	Inverter output short circuit protection	Automatic protection (battery mode), circuit breaker or insurance (AC mode)
	Temperature protection	>90°C (Shut down output)
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
Inside Solar controller (Optional)	Charging Mode	MPPT
	Charging current	60A
	PV Input Voltage Range	15V-120V
	Max PV Input Voltage(Voc) (At the lowest temperature)	150V
	PV Array Maximum Power	840W
	Standby loss	≤3W
Maximum conversion efficiency	>95%	
Working Mode	Battery First/AC First/Saving Energy Mode	
Transfer Time	≤4ms	
Display	LCD	
Thermal method	Cooling fan in intelligent control	
Communication	RS485/APP (WIFI monitoring or GPRS monitoring)	
Environment	Operating temperature	≤55dB
	Storage temperature	-10°C~40°C
	Noise	-15°C~60°C
	Elevation	2000m (More than derating)
	Humidity	0%~95% ,No condensation

Note: All specifications are subject to change without prior notice