

### System Introduction

LI Series is a CPU controlled intelligent single phase line-interactive UPS system. It has multiple level AVR function built-in, and full bridge inverter output design. Thus it is a high reliable and cost-effective choices for small and medium application users.



### System Features

#### High Performance Index

- ◆ LI Series adapts advanced MCU control to keep system fast and reliable;
- ◆ Wide Input Range with 145-275Vac at full load; Adapts 200/220/230/240Vac, 50/60Hz grid system;
- ◆ New generation of ST/IR brand CMOS power components to keep best performance
- ◆ High Overload ability and fast short-circuit protection ability;
- ◆ Flexible Generator compatibility;
- ◆ Intelligent big charger with 1-30A charging current;
- ◆ Intuitive LCD + LED screen to show comprehensive UPS working parameters.

#### Safe and Reliable

- ◆ LI Series adapts smart CPU control technology to control all UPS processes to increase system reliability.
- ◆ LI Series adapts sensitive peak current protection circuit to protect the system from damages due to short-circuit, cold load impacts.
- ◆ 90% of system components are from international famous brands. Systems will fully tested for 24 hours before leaving the factory.

#### Rich Optional Accessories

SNMP Network Adapter, RS485/Dry Contact, USB port to build up a remote control and monitoring system.

### Compatible applications/loads



## Specification

Model	LI10S	LI10L	LI20S	LI20L	LI30S	LI30L	LI60L	LI100L
Capacity	1KVA/0.7KW		2KVA/1.4KW		3KVA/2.1KW		6KVA/4.2KW	10KVA/7KW
<b>Host Machine Specification</b>								
UPS Structure	Line-Interactive UPS							
Appearance	> 98%				> 88%			
Overall Efficiency (AC-AC)	> 83%				> 85%			
Noise (In 2 meters)	< 50dB							
Working Temp	0-40°C							
Storage Temp	-15 ~ 60°C ( Without Batteries )							
Humidity	<95%, Non-Condensing							
Safety Standard	GB/T14715, EN62040-1							
Protections	Overload, Short-Circuit, Over Temp., Utility Power Voltage High/low, BAT Voltage High/low							
DC Start	Available							
Generator Compatibility	Available							
Display	LCD/LED: UPS Status, INV Status, Bypass Status, BAT Status, BAT %, Load %, Fault Messages							
Alarm	Auto							
Mute	Auto							
<b>Rectifier Specification</b>								
Input Voltage Range	145~275Vac±5%, Single Phase						145~275Vac±5% Single Phase	
Input Frequency Range	40-70Hz, self-auto tracking							
<b>Output Specification</b>								
Output Voltage	220Vac(200/220/230/240Vac), Single Phase							
Output PF	0.7							
Output Voltage Regulation	220Vac±10%							
Output Freq.(Online Mode)	220Vac±1%							
Output Freq. (BAT Mode)	50Hz±0.25%							
Output Waveform	Pure Sine wave							
Distortion	< 3% (Linear Load) , <6% (100% Non-Linear Load)							
Overload	> 105-110% for 1 minute; >110-130% for 30 seconds; >130% immediately shutdown							
Crest Ratio	3 : 1							
Transfer Time	4ms							
Short-Circuit	Circuit Auto Protection, Output Voltage/Current 0							
Output Abnormal	INV Output Auto-Locked Protection							
Noise Suppression	EMI/RFI Wave filter							
BAT Low	Shutdown Protection							
Auto-Restart	Available							
Software Control	Available							
<b>Battery Specification</b>								
Type	Sealed Lead Acid Maintenance Free							
Std. Model Rated Volts/Units	12V/7Ah×2 Unit	/	12V/7Ah×4 Unit	/	12V/7Ah×6 Unit	/	12V/7Ah×16 Unit	
Backup time	5-10min	/	5-10min	/	5-10min	/	5-10min	
Ext. Model Rate Volts/Units	24Vdc	36Vdc	48Vdc	72Vdc	72Vdc	96Vdc	192Vdc	
Std. Model Charging Current	1A	/	1A	/	1A	/	1A	
Ext. Model Charging Current	/	5A	/	5-10A	/	5-10A	5-10A	
<b>Communication Specification</b>								
Communication Port	Rs232 (Std.) ; /SNMP/RS485/ Dry Contact ( Optional Accessory )							
Remote Software	Multi-functional Monitoring System, Online and BAT Mode Status, BAT Fault, Remote Control							
<b>Physical Parameters</b>								
Size mm(RM, D×W×H)	360×147×220		440×192×340		440×192×340		520×240×460	
Net Weight Kg	11.9	8.5	22	16	28	18	30	35

Note:Specification are subject to change without further notice.