

Sun Star LV Series 1KVA - 10KVA

High Frequency Online UPS Sun Star LV Series

S - LV Series 1KVA - 10KVA (1ph in / 1ph out)

Key Features:

- Zero Transfer Time
- DSP Digital Control Based
- Ultra Wide Input Mains Range

Strong compatible with ultra with electric environment,
stay well with ultra wide range mains of 60V~145V, 40~70Hz.

- Best Loading Capability

Up to 0.9 Output Power Factor , 50/60 Hz Automatically adapting

- Genset Compatible

- High Input Power Factor

>0.99 input power factor

- Reliable Design

Made with strong Glass fiber base (FR4) double side PCB.

- Open to Customization

The product is able to be customized to match need of integration
of automatic system or intelligent supervisory system



Shenzhen UPSen Electronic CO.,Ltd.

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Technical Specification:

Tower Model	51K-LV	51K-LV	52K-LV	52K-LV	53K-LV	53K-LV	54K-LV	54K-LV	570K-LV	570K-LV
Phase	Single phase (L/N+PE)									
Capacity	15KA / 900W		20KA / 1.0KW		30KA / 2.1KW		45KA / 3.4KW		100KA / 9KW	
Input										
Nominal Input Voltage	180/110/120/127Vac									
Input Voltage Range	55-145Vacc±3VAC									
Frequency	50 / 60 Hz									
Input Frequency Range	40-70Hz									
Input Power Factor	≥ 0.99									
Bypass Voltage Range	80 ~ 140VAC (11 ± 3%)									
Output										
Output wiring system	Single phase (L/N+PE)									
Output Voltage	180/110/120/127Vacc±2%									
Output Voltage Regulation	1%									
Output Frequency	50/60±4Hz (Sync mode); 50/60Hz±1% (No Freq. mode)									
Overload Capability	105 ~ 125% 60s; 125 ~ 150% 30s. The recover point is 70%									
Output THD(%)	THD<2% (linear load); THD<7% (nonlinear load)									
Output Waveform	Pure Sine Wave									
Transfer Time										
Line mode ↔ Bat Mode	8ms									
Inv ↔ Bypass Mode	< 4ms									
Efficiency										
Line Mode	80%		80%		87%		88%		89%	
Battery Mode	85%		85%		87%		88%		89%	
Battery & Charger										
Nominal Voltage	24V	24V/36V	48V	48V/72V	72V	72V/96V	192V	144V/192V	192V / 240V	
Battery Voltage / Capacity	2*12V/3AH	External Battery	4*12V/7AH	External Battery	6*12V/9AH	External Battery	12*12V/7AH	External Battery	16/20*12V/7AH	192V/240V External Battery
Battery Type	Valve Regulated Maintenance Free Lead Acid (VRLA) for Standard Model with Internal Battery									
Backup Time	Half loaded ≥ 20minutes, Full loaded ≥ 20minutes(standard)						Half loaded ≥ 20minutes, Full loaded ≥ 20minutes(standard)			
Recharge Time	~5 Hours	Subject to External Battery Config	~5 Hours	Subject to External Battery Config	~5 Hours	Subject to External Battery Config	~5 Hours	Subject to External Battery Config	~5 Hours	Subject to External Battery Config
Recharge Current	1A	4A	1A	4A	1A	4A	1A	4A	1A	4A
HMI										
Display	LCD									
Buzzer Alarm	Bat.Mode / Bat.Low / Overload / Fault									
Communication Port	Standard: RS232 + EP0/RC0 + USB PORT; SIMMP Card Slot (Optional)									
Alarm Function	AC / DC input under abnormal, overload condition and inverter problems									
Protection Function	AC input or output above or below the range of voltage, overload, over temperature and short circuit protection									
Physical										
Machine Size-W*D*H(mm)	144*325*124		190*368*125		190*368*125		190*368*172		190*395*123	
Package Size-W*D*H(mm)	258*411*120		295*469*135		295*469*135		335*570*165		335*570*165	
Net Weight(KG)	6.4	4.5	16	6	20.7	7.7	48.3	9.9	50.1	13.5
Gross Weight(KG)	9.5	5.6	17.4	7	22	9.5	55	11.4	56.8	15.2
Environment										
Humidity	5 ~ 97% (Non Condensing)									
Operating Ambient Temperature	0 ~ 40°C									
Audible Noise	< 55dB						< 55dB			
*External Battery Pack Rated Voltage Can Select Upon Order, 192 / 240V										
*Product Specifications are Subject to Change Without Notice										