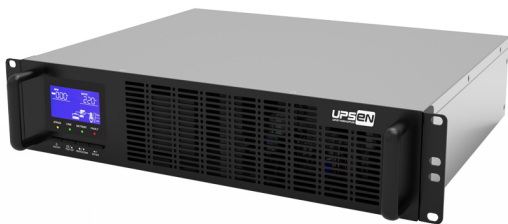


Sun Star LV Series 1KVA - 10KVA

High Frequency Online UPS Sun Star LV Series (Rack Model)
RS - 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



Technical Specification:

Rack Mount Model	RS1K-LV	RS1KL-LV	RS2K-LV	RS2KL-LV	RS3K-LV	RS3KL-LV	RS6KL-LV	RS10KL-LV	
Phase	Single phase (L/N+PE)								
Capacity	1KVA / 900W		2KVA / 1.8KW		3KVA / 2.7KW		6KVA / 5.4KW	10KVA / 9KW	
Input									
Nominal Input Voltage	100/110/120/127Vac								
Input Voltage Range	HV: 90~300VAC±5VAC LV: 55-145VAC±3VAC								
Frequency	50 / 60 Hz								
Input Frequency Range	40~70Hz								
Input Power Factor	> 0.99								
Bypass Voltage Range	HV: 180 ~ 265VAC *(1±3%) LV: 80 ~ 140VAC *(1±3%)								
Output									
Output wiring system	Single phase (L/N+PE)								
Output Voltage	HV:208/220/230/240VAC±2% LV:100/110/120/127VAC±2%								
Output Voltage Regulation	1%								
Output Frequency	50/60±4Hz (Sync mode); 50/60Hz±1% (Fix Freq. mode)								
Overload Capability	105 ~ 125%≥ 60s, 126 ~ 150%≥30s The recover point is 70%								
Output THDV%	THD<2% (linear load) ; THD<7% (nonlinear load)								
Output Waveform	Pure Sine Wave								
Transfer Time									
Line mode ↔ Bat Mode	0ms								
Inv ↔ Bypass Mode	<4ms								
Efficiency									
Line Mode	86%		88%		89%		92%	93%	
Battery Mode	85%		86%		87%		92%	93%	
Battery & Charger									
Nominal Voltage	24V	24V/36V	48V	72V	72V	48V/96V	192V / 240V		
Battery Voltage/Capacity	2*12V/7AH	External Battery	4*12V/7AH	External Battery	6*12V/7AH	External Battery	External Battery		
Battery Type	Valve Regulated Maintenance Free Lead Acid (VRLA) for Standard Model with Internal Battery								
Backup Time	Half loaded≥6minutes, Full loaded ≥2minutes(standard)						Dependent on the capacity of external batteries		
Recharge Time	~5 Hours	Subject to External Battery Config	~5 Hours	Subject to External Battery Config	~5 Hours	Subject to External Battery Config	Subject to External Battery Config	Subject to External Battery Config	
Recharge Current	1A	4A	1A	4A	1A	4A	4A	4A	
HMI									
Display	LCD								
Buzzer Alarm	Bat.Mode / Bat.Low / OverLoad / Fault								
Communication Port	Standard: RS232+EPO/ROO+USB PORT; RS485 Port, Dry contact, SNMP Card Slot (Option)								
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)	440*400*88		440*400*88		440*500*88	440*500*88	440*500*88		
Package Size-W*D*H(mm)	495*540*195		495*540*195		540*610*195	540*610*195	540*610*195		
Net Weight(KG)	10.3	6.7	15.3	7.3	19.8	8.7	10.8	12.6	
Gross Weight(KG)	11.7	8.2	16.6	8.6	21.6	10	12.6	14.3	
Environment									
Humidity	5 ~ 97% (Non Condensing)								
Operating Ambient Temperature	0~40°C								
Audible Noise	<50dB						<55dB		
*External Battery Pack Rated Voltage Can Select Upon Order, 192 / 240V									
*Product Specifications are Subject to Change Without Notice.									