



# Sun Star Series 1KVA - 10KVA

High Frequency Online UPS Sun Star Series  
S / RS Series 1KVA - 10KVA (1ph in / 1ph out)



## Key Features:

- Double Conversion True Online UPS With Pure Sine-Wave Output
- Robust Design, Conformal Coating, Strong Anti-Corrosion Capability For Harsh Environment
- Extra Wide Input Voltage (90V-300Vac), Well Compatible With Gen-Set
- Input Power Factor Correction, Save Power, Wiring Expense For Use
- Strong Loading Capability, Work Well With Laser Printer, Ultrasonic Cleaner
- Compact Size, Win Valuable Space For User
- Open For Customization, Seamless Integrate With Automatic Control System

**Shenzhen UPSen Electronic CO., Ltd.**  
[www.upsen.net](http://www.upsen.net)

# Technical Specification:

Tower Model	S1K	S1KL	S2K	S2KL	S3K	S3KL	S6K	S6KL	S10K	S10KL	
Rack Mount Model	RS1K	RS1KL	RS2K	RS2KL	RS3K	RS3KL	RS6K	RS6KL	RS10K	RS10KL	
Phase	1Phase 2Wire + PE										
Capacity	1KVA / 900W		2KVA / 1.8KW		3KVA / 2.7KW		6KVA / 5.4KW		10KVA / 9KW		
<b>Input</b>											
Nominal Input Voltage	110 / 115 / 120 / 127VAC or 220 / 230 / 240VAC						220 / 230 / 240VAC				
Input Voltage Range	110 / 115 / 120 / 127VAC: 60V~300V Halfload 176V~300V Full Load 220 / 230 / 240VAC: 90V~300V Halfload 176V~300V Full Load						110V~300V Halfload 176V~300V Full Load				
Input Frequency Range	40~70Hz										
Input Power Factor	0.99 @Full load										
<b>Output</b>											
Output Voltage	230Vac (220 / 240 / 208V Selectable) or 120Vac (100 / 110 / 115 / 127V Selectable)						230V (220 / 240 / 208V Selectable)				
Output Voltage Regulation	1%										
Output Frequency (Sync.Mode)	46Hz ~ 54Hz / 57Hz ~ 63Hz						46Hz ~ 54Hz / 56Hz ~ 64Hz				
Output Frequency (Bat.Mode)	50Hz+ / -0.05Hz    60Hz+ / -0.05Hz										
Output THDV%	2% Linear Load 6% Non-Linear Load						2% Linear Load 5% Non-Linear Load				
Output Waveform	Pure Sine Wave										
<b>Transfer Time</b>											
Line mode ↔ Bat Mode	0ms										
Inv ↔ Bypass Mode	<4ms										
<b>Efficiency</b>											
AC-->AC	89%		90%		91%		>93%				
ECO	94%		95%		96%		>95%				
Battery Mode	87%		88%		89%		>90%				
<b>Battery &amp; Charger</b>											
Battery Voltage / Capacity	2*12V/7AH	24V/36V External Battery	4*12V/7AH	48V/72V External Battery	6*12V/7AH	72V/96V External Battery	12*12V/7AH	144V/192V External Battery	16*12V/7AH	192V/240V External Battery	
Battery Type	Valve Regulated Maintenance Free Lead Acid (VRLA) for Standard Model with Internal Battery										
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	
Max Recharge Current	1.5A	6A	1.5A	6A	1.5A	6A	1.5A	4A	1.5A	4A	
Floating Charge Voltage	27.3V	27.3V / 41.0V	54.6V	54.6V / 81.8V	81.8V	81.8V/109.2V	163.8V	163.8V/218.4V	218.4V	218.4V/273V	
<b>HMI</b>											
Display	LED / LCD (Option)										
Buzzer Alarm	Bat.Mode / Bat.Low / OverLoad / Fault										
Communication Port	RS232 / SNMP (Option) / USB(Optional)										
<b>Physical</b>											
Form Factor	Tower / Rack										
Dimension(Tower) - W*H*L(mm)	145*220*328		145*220*400		145*220*328		190*318*380		190*360*540		190*340*540
Dimension (Rack) - W*H*D(mm)	438*88(2U)*350						438*88(2U)500				
Weight(KG)	8.9	6.1	17.5	10.6	21.6	10.8	37	15.4	48	16	
<b>Environment</b>											
Humidity	5 ~ 97% (Non Condensing)										
Operating Ambient Temperature	0~40oC										
*External Battery Pack Rated Voltage Can Select Upon Order, 192 / 240V											
*Product Specifications are Subject to Change Without Notice.											