



31S Series 15KVA - 20KVA

High Frequency Online UPS Sun Star Series

31S Series 15KVA - 20KVA (3ph 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 (85V-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.

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Technical Specification:

Model		31S 10K	31S 10KL	31S 15K	31S 15KL	31S 20K	31S 20KL
Power Rating (VA / W)		10KVA / 9KW		15KVA / 13.5KW		20KVA / 18KW	
Input	Input system	3 Phase (L1, L2, L3, N, PE) or 1 Phase(L, N, PE)					
	Nominal Voltage	380 / 400 / 415Vac					
	Voltage Range	156 ~ 520Vac					
	Input Frequency	50Hz / 60Hz					
	Input Frequency Range	(40~70)±0.5Hz					
	Input Power Factor	> 0.99					
	Bypass Voltage Range	310 ~ 450Vac					
Output	Output Voltage	220 / 230 / 240VAC ±2%					
	Output Wiring	1 Phase 3 wire (L, N, G)					
	Output Frequency Range	50 / 60Hz ± 4Hz (Sync Mode) 50 / 60Hz ± 1% (Fix Freq.Mode)					
	Output Distortion (THDV%)	<2% (Linear Load); <7% (Non-Linear Load)					
	Output Waveform	Pure Sine Wave					
	Overload Capability	Line mode / Battery Mode with 240VDC 105 ~ 125% 10mins, 126 ~ 150% 1min, >150% 100ms Battery Mode with 192VDC 105 ~ 125% 1s, >126% 100ms					
	Transfer Time	Line mode <-> Battery Mode 0ms					
Efficiency	Line Mode	93%		93%		94%	
	Battery Mode	92%		92%		93%	
Battery and Charger	Battery Voltage / Quantity	12V/7AH*16pcs	External	12V/7AH*32pcs	External	12V/7AH*32pcs	External
	Backup Time	Standard Model with internal battery : half load ≥6min, full load ≥ 1.5min Long backup time Model: determined by external battery					
	Battery Charger Time	Standard Model with internal battery : 5 hours to 90% Long backup time Model: determined by external battery					
Recharge Current		1A	4A	1A	4A	1A	4A
HMI							
Display		LCD					
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)		190*566*472	562*190*340	299*698*700	581*239*529	299*698*700	581*239*529
Package Size-W*D*H(mm)		335*670*665	290*625*430	520*885*1020	375*680*730	520*885*1020	375*680*730
Net Weight(KG)		51	14.6	88.7	26	88.7	26
Gross Weight(KG)		57.7	16.3	124.7	33.5	124.7	33.5
Environment							
Humidity		5 ~ 97% (Non Condensing)					
Operating Ambient Temperature		0~40°C					
Audible Noise		<50dB				<55dB	
*Product Specifications are Subject to Change Without Notice.							