

SRS

SINGLE PHASE 1kVA-3kVA

SINGLE PHASE UNINTERRUPTIBLE POWER SUPPLIES PURE SINE WAVE ONLINE, DOUBLE CONVERSION TECHNICAL SPECIFICATION



The SRS series is a special product with power from 1kVA to 3kVA.

These UPS can be configured in rack or tower version, are based on double conversion online topology with DSP (Digital Signal Processor) technology and operate with an input/output voltage of 110Vac.

The autonomy in case of mains failure can be increased thanks to the additional battery drawers.

The products are equipped as standard with RS232 communication ports and an RJ45 port. In addition, an intelligent slot is available for the insertion of the SNMP card (optional) and an EPO contact.

The input and output terminals are easily accessible for simple configuration in all industrial environments.

The SRS series is ideal for protecting critical loads that require continuous, high-quality power supply with zero mains/battery transfer time.

MODEL		SRS01	SRS02	SRS03
CAPACITY*		1000VA/1000W	2000VA/2000W	3000VA/3000W
INPUT				
Voltage Range	Low Line Transfer	80VAC/70VAC/60VAC/55VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)		
	Low Line Comeback	87VAC/77VAC/67VAC/62VAC ± 5 %		
	High Line Transfer	150 VAC ± 5 %		
	High Line Comeback	145 VAC ± 5 %		
Frequency Range		40Hz ~ 70 Hz		
Phase		Single phase with ground		
Power Factor		≥ 0.99 @ full load		
THDi		≤ 5% @ 100~130VAC THDU < 1.6% @ input and full linear load condition		
OUTPUT				
Output voltage		100/110/115/120/127 VAC		
AC Voltage Regulation		± 1% (Batt. Mode)		
Frequency Range (Synchronized Range)		47 ~ 53 Hz or 57 ~ 63 Hz		
Frequency Range		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz (Batt. Mode)		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 2 % THD (Linear Load) ; 4 % THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	< 4 ms		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		≥89% @ full charged battery	≥91% @ full charged battery	
ECO Mode		≥96% @ full charged battery		
Battery Mode		≥ 88%	≥ 90%	
BATTERY				
Battery Type		12V/9AH	12V/9AH	12V/9AH
Numbers		2	4	6
Recharge Time		3 hours recover to 95% capacity for internal battery@ 2A charging current		
Charging Current		Default: 2A, Max: 8A adjustable		
Charging Voltage		27.4 VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ±1%
PHYSICAL				
Dimension, D X W X H (mm)		410 x 438 x 88	510 x 438 x 88	630 x 438 x 88
Net Weight (kgs)	With battery	11.6	19.5	27.5
	Without battery	6.6	9.4	12.4
ENVIRONMENT				
Operation Humidity		20-95 % RH @ 0- 40°C (non-condensing)		
Noise Level		Less than 50dBA @ 1 Meter (With fan speed control)		
MANAGEMENT				
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

* Derate capacity to 80% of capacity when the output voltage is adjusted to 100VAC, 200VAC or 208VAC. For 100/110/115/120/127VAC system, the output power ratings are different based on different input voltage. Please check output power rating table for the details.
 Product specifications are subject to change without further notice.



Output Power Rating Table (only for 100/110/115/120/127 VAC system)

Model name	Input rating	Output rating
SRS01	110-127Vac, 50/60Hz, 12A, 1Ø	100/110/115/120/125/127Vac, 50/60Hz, 1000VA/1000W, 1Ø, 10A
SRS02	110-127Vac, 50/60Hz, 16A, 1Ø	100/110/115/120/125/127Vac, 50/60Hz, 1Ø 2000VA/2000W (@127Vac input) ; 2000VA/1930W (@125Vac input) ; 2000VA/1850W (@120Vac input) ; 2000VA/1740W (@115Vac input) ; 2000VA/1640W (@110Vac input) ; 2000VA/1500W (@100Vac input)
SRS03	110-127Vac, 50/60Hz, 24A, 1Ø	100/110/115/120/125/127Vac, 50/60Hz, 1Ø 3000VA/3000W (@127Vac input) ; 3000VA/2850W (@125Vac input) ; 3000VA/2740W (@120Vac input) ; 3000VA/2650W (@115Vac input) ; 3000VA/2500W (@110Vac input) ; 3000VA/2300W (@100Vac input)

Technical data and images are only indicative and can be changed at any time without notice