

SRT 11 MODEL 1-10 kVA ONLINE UPS



*Product images may vary according to power values.

Rack Tower 1-3 kVA



Rack Tower 6-10 kVA

FEATURES



Effective software and hardware protection



Cold Start



while working replaceable battery



Automatic frequency detection

- High frequency On-Line double conversion technology
- DSP Double Conversion Online "Double Conversion"
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 1-3 kVA 0.9 6-10 kVA = 1
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz)
- Automatic frequency detection
- 50/60 Hz frequency conversion
- cold start
- Intelligent fan speed changing according to load

- Effective software and hardware protection
- Fast and stable charging, 90% capacity restored in 4 hours (standard model UPS)
- Linear derating on low voltage input reduces battery discharge times
- Adjustable delayed start when power is restored

- Hot swappable battery
- Multiple functions adjustable via LCD: output voltage, EOD, auto start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communication: RS232 (standard), USB/RS485/SBMP/dry contacts (optional)

MODEL	SRT 11			SRT 11			SRT 11		
Strength	1 kVA / 900 W			2 kVA / 1800 W			3 kVA / 2700 W		
Input									
Rated Voltage	208 / 220 / 230 / 240 Vac								
Voltage Range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)								
Frequency	40 ~ 70 Hz (auto-sensing)								
Power Factor	≥ 0.99								
Bypass Voltage Range	- 25% ~ + 15% settable								
Total Harmonic Distortion	≤ 6%								
Output									
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)								
Voltage Range	± 1%								
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz ± 0.1 Hz (battery mode)								
Waveform	Sinusoidal								
Power Factor	0.9								
Total Harmonic Distortion (THDv)	≤ 2% (linear load), ≤ 5% (non-linear load)								
Peak Factor	3:1								
Overload	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, > 150% for 300 ms								
BATTERIES									
DC Voltage	24V(S)	36V(S)	36V(H)	48V(S)	72V(S)	72V(H)	72V(S)	96V(S)	96V(H)
Internal Battery	2x9Ah	3x7Ah	/	4x9Ah	6x7Ah	/	6x9Ah	8x7Ah	/
Charge Current (max)	1A		6 A	1 A		6 A	1 A	1 A	6 A
Charging Time	Standard model: 90% capacity restored in 3 hours; Long time model: depend on the capacity of battery								
SYSTEM									
Competence	≥ 90% (Mains mode) ≥ 85% (Battery mode) ≥ 95% (ECO mode)			≥ 91% (Mains mode) ≥ 86% (Battery mode) ≥ 96% (ECO mode)			≥ 92% (Mains mode) ≥ 87% (Battery mode) ≥ 97% (ECO mode)		
Transfer Time	Mains mode to battery mode: 0 ms; inverter mode to bypass mode: 4 ms (typical)								
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection								
Communication	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)								
viewing	LCD + LED								
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 6100 0-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1								
OTHER									
Operating temperature	0°C ~ 40°C								
Storage Temperature	- 25 ~ 55°C (without batteries)								
Relative humidity	0 ~ 95% (non-condensing)								
Altitude	≤ 1000 m, derating 1% for each additional 100 m								
IP Rating	IP 20								
Noise Level at 1M	≤ 50 dB								
Dimensions (W×D×H) (mm)	440 x 338 x 88	440 x 430 x 88	440 x 468 x 88	440 x 430 x 88	440 x 560 x 88	440 x 468 x 88	440 x 560 x 88	440*468*88(UPS) 440*468*88(BAT)	440 x 468 x 88
Packaged Dimensions (W×D×H) (mm)	545 x 428 x 194	545 x 560 x 201	545 x 592 x 201	545 x 560 x 201	545 x 690 x 201	545 x 592 x 201	545 x 690 x 201	592*545*198(UPS) 597*545*198(BAT)	545 x 592 x 201
Net Weight (kg)	10.6	15.5	7.6	18.7	25.6	9.7	26.8	9.45(UPS) 27.2(BAT)	10.1
Gross Weight (kg)	11.3	18.6	11.1	21.8	25.8	13.2	29.7	12.97(UPS) 30.2(BAT)	13.6

Product features

MODEL	SRT II	SRT II
Strength	6 kVA / 6 W	10 kVA / 10 W
Input		
Input Cabling	Single-phase three-wire (1 Φ + N + PE)	
Rated Voltage	208 / 220 / 230 / 240 Vac	
Voltage Range	110~176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (noderating)	
Proportional Frequency	50 / 60 Hz (auto-sensing)	
Frequency range	40~ 70 Hz	
Power Factor	≥0.99	
Bypass Voltage Range	-40% ~ +15% (settable)	
Total Harmonic Distortion (THD)	≤5%	
Output		
Output Wiring	Single-phase(L-N)	
Rated Voltage	208(PF=0.9) / 220 / 230 / 240 Vac	
Voltage Range	± 1%	
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode	
Waveform	Sinusoidal	
Power Factor	1	
Total Harmonic Distortion (THD)	≤ 1% (linear load); ≤ 4% (non-linear load)	
Peak Factor	3:1	
Overload	102%~110% for 10min, 110%~125% for 1min, 125%~150% for 30s	
BATTERY		
DC Voltage	192Vdc (192 ~ 240 Vdc settable)	
Number of Batteries	16pcs (16 ~ 20 settable)	
Internal Battery (Standard Model)	12V / 7 Ah × 16	12V / 9 Ah × 16
Charging Current	Standard model: 1 A; Long time model: 5 A (default), 1 ~ 5 A settable; 12 A (optional)	
SYSTEM		
Competence	≥ 94% at 100% load, max. 94.5% at 60% load, ≥ 98% in ECO mode	
Transfer Time	0ms	
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure	
Max. Number of Parallel Connections	4	
Communication	RS232(standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)	
viewing	LCD+ LED	
OTHER		
Operating temperature	0°C ~ 40°C	
Storage Temperature	-25°C ~ 55°C (without battery)	
Relative humidity	0 ~95% (non-condensing)	
Altitude	≤1000 m, derating 1% for each additional 100 m	
IP Rating	IP20	
Noise Level at 1M	≤ 55 dB	≤58 dB
Dimensions (W×D×H) (mm)	440× 580 × 88 (H), 440 × 660 (S) × 176	
Packaged Dimensions (W×D×H) (mm)	514x 696 x 168 (H), 554 x 792 x 418 (S)	
Net Weight (kg)	12 (H), 58 (S)	14 (H), 63 (S)
Gross Weight (kg)	14 (H), 68 (S)	16 (H), 73 (S)



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