

SHUYI UPS SOLUTIONS







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• HEFEI SHUYI DIGITAL POWER CO., LTD

COMPANY **PROFILE**

- Shuyi digital power, based on the core technology of power electronics, integrates innovative digital technology, provides comprehensive solutions for data center, high-end power supply and clean energy, promotes the transformation and development of digitalization and low-carbon energy in government, finance, industry, communication, transportation, Internet and other industries.
- With over 10 years of development, we have exported our various kinds of products and solutions to 86 countries and have branches and offices in over fifty countries and regions Our products and solution won a good reputation in quality and service

Mission

 Committed to innovation in digital energy technology and building a green and intelligent future

Vision

• Serve global customers and become a leading expert in digital Power infrastructuret







Products and Solutions

- Data Center Solution: Micro Data center, Modular Data Center, Prefabricated Container Data Center. Critical Power: PDU, UPS, DC Power System, Lead Acid Battery, Lithium battery Thermal Management Solution: Room /In row precision air conditioner, Fluorine pump air conditioner Liquid cooling, Free cooling PV Energy Storage: PV, Inverter, Energy Storage System
- Shuyi attaches great importance to product innovation and research and development Having industry-leading power electronics research and development centers, testing centers, and laboratories
- At present, we have established industry-leading electromagnetic compatibility laboratories, including Enthalpy difference laboratory, Environmental reliability laboratory, Noise laboratory, Vibration laboratory, Power laboratory, and IP protection laboratory. We passed the ISO9001 quality management system certification, ISO14001 environmental management system certification, and the products have passed CE ICE, UL certification.



SY-RT Series 1-10kVA Rack Mounted UPS

Power range

1 - 10 kVA

Phase

Single phase grounding

Application area

Widely applied in government, finance, communication, education, transportation, climate, broadcasting television, industry. Various industries such as taxation, healthcare, energy and electricity.

Performance characteristics

- Truly achieving online dual conversion
- Microprocessor control technology ensures high reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V to 300 V)
- Efficient frequency conversion mode
- ECO mode provides energy-saving effect (limited to 1-3K models only)
- Compatible with generator input
- The charging current of the long-lasting model reaches 6A







SYRT6kVA/SYRT10kVA

Specification

Nomina Input volt Frequer Powe Rated Voltage range Frequer (Synchronous correquency rang Current Harmonic Time Switch mode Rev Waveform (E AC r Batter Standard Model C	pacity lal voltage litage range ency range er factor d voltage er (actor) d voltage Numbers Standard charging time Maximum charging current Charging Voltage	55-145 VAC o 85-140 VAC o 85-140 VAC o 85-140 VAC o 40Hz ~ 70 Hz ≥ 0.99 @ 1009 OUTPUT 100/110/115. ± 1% 47~ 53 Hz or 9 50 Hz ± 0.25 H 3:1 ≤ 3% THD (lin Not have	/120/127VAC or 20 r 110-300 VAC at 5(r 160-280 VAC at 10 % load /120/127VAC or 20 57 ~ 63 Hz Hz or 60Hz ± 0.3 Hz ear load); ≤ 5% THI is (under standard //e 85 85	0% load 00% load 00%208/220/230 2	0/240VAC 0ad)	/2400W	110-300 176-300 46Hz ~ ! 208/220 ± 1% 46Hz ~ ! 50 Hz ± ≤ 3% TH	0/230/240VAC 0 VAC ± 3% at 5 VAC ± 3% at 11 54 Hz or 56Hz ~ 0/230/240VAC 54 Hz or 56Hz ~ 0.1 Hz or 60 Hz ID (linear load)	0% load 00% load 00% load - 64 Hz - 64 Hz ± 0.1 Hz ; ≤ 5% THD (Not	nlinear Load)
Input volt Frequer Powe Rated Voltage range Frequer Synchronous c requency rang Current p Harmonic Time Switch mode Rev Waveform (E Standard Model	Itage range ency range er factor d voltage er (Battery mode) ency range correction range) ge (Battery mode) ic distortion ching from mains e to battery mode werse to bypass (Battery mode) mode ery mode Battery type Numbers Standard charging time Maximum charging current	INPUT 100/110/115 55-145 VAC 0 85-140 VAC 0 40Hz ~ 70 Hz ≥ 0.99 @ 1009 OUTPUT 100/110/115 ± 1% 47~ 53 Hz or 9 50 Hz ± 0.25 H 3:1 ≤ 3% THD (lin Not have 4 millisecond Pure sine wave EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	/120/127VAC or 20 r 110-300 VAC at 5(r 160-280 VAC at 10 % load /120/127VAC or 20 57 ~ 63 Hz Hz or 60Hz ± 0.3 Hz ear load); ≤ 5% THI is (under standard //e 85 85	00/208/220/230 0% load 00% load 00/208/220/230 2 Conditions)	0/240VAC 0/240VAC 0ad)	00%	110-300 176-300 46Hz ~ ! 208/220 ± 1% 46Hz ~ ! 50 Hz ± ≤ 3% TH	0 VAC ± 3% at 5 0 VAC ± 3% at 1 54 Hz or 56Hz ~ 0/230/240VAC 54 Hz or 56Hz ~ 0.1 Hz or 60 Hz D (linear load)	0% load 00% load 00% load - 64 Hz - 64 Hz ± 0.1 Hz ; ≤ 5% THD (Not	nlinear Load)
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Rated //oltage range Frequer Frequer synchronous c equency rang Current p Harmonic Time Switch mode Rev Waveform (E AC r Batter Standard Model C	d voltage e (Battery mode) ency range correction range) ge (Battery mode) e peak ratio ic distortion ching from mains e to battery mode werse to bypass (Battery mode) mode ery mode Numbers Standard charging time Maximum charging current	OUTPUT 100/110/115 ± 1% 47~ 53 Hz or 9 50 Hz ± 0.25 H 3:1 ≤ 3% THD (lin Not have 4 millisecond Pure sine wav EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	/120/127VAC or 20 57 ~ 63 Hz Hz or 60Hz ± 0.3 Hz ear load); < 5% THI s (under standard /e 89 81	D (Nonlinear Loc conditions)	oad) 90 81		± 1% 46Hz ~ ! 50 Hz ± ≤ 3% TH	54 Hz or 56Hz ~ 0.1 Hz or 60 Hz ID (linear load) econds	± ± 0.1 Hz ; ≤ 5% THD (Nor	3%
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/oltage range Frequent Synchronous contents equency rang Current post of the frequent Harmonic Rev Waveform (E AC r Batter Standard Model C	e (Battery mode) ency range correction range) ge (Battery mode) ge (Battery mode) peak ratio ic distortion ching from mains e to battery mode werse to bypass (Battery mode) mode ery mode Battery type Numbers Standard charging time Maximum charging current	± 1% 47~ 53 Hz or 1 50 Hz ± 0.25 H 3:1 ≤ 3% THD (lin Not have 4 millisecond Pure sine wav EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 905	57 ~ 63 Hz Hz or 60Hz ± 0.3 Hz ear load); ≤ 5% THI is (under standard ize 85 81	D (Nonlinear Loc conditions)	oad) 90 81		± 1% 46Hz ~ ! 50 Hz ± ≤ 3% TH	54 Hz or 56Hz ~ 0.1 Hz or 60 Hz ID (linear load) econds	± ± 0.1 Hz ; ≤ 5% THD (Nor	3%
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ynchronous cequency rang Current Harmonic Time Switch mode Rev Waveform (E AC r Batter Standard Model C	correction range) ge (Battery mode) ge (Battery	50 Hz ± 0.25 H 3:1 ≤ 3% THD (lin Not have 4 millisecond Pure sine way EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	ear load); < 5% THI is (under standard /e 85 12 V	D (Nonlinear Loconditions) 9% 7%	9(50 Hz ± ≤ 3% TH 0 millise	0.1 Hz or 60 Hz ID (linear load) econds	± ± 0.1 Hz ; ≤ 5% THD (Nor	3%
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Harmonic Switch mode Rev Waveform (E AC r Batter	ic distortion ching from mains to battery mode werse to bypass (Battery mode) mode ery mode Battery type Numbers Standard charging time Maximum charging current	≤ 3% THD (lin Not have 4 millisecond Pure sine wav EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	s (under standard ve	conditions) 9% 7%	9(0 millise	econds	93	3%
Model mode Rev Waveform (E AC r Batter	e to battery mode verse to bypass (Battery mode) mode ery mode Battery type Numbers Standard charging time Maximum charging current	4 millisecond Pure sine was EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	89 81 12 V	9%	88		92	2%		
Rev Waveform (E AC r Batter Standard Model	werse to bypass (Battery mode) mode ery mode Battery type Numbers Standard charging time Maximum charging current	4 millisecond Pure sine was EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	89 81 12 V	9%	88		92	2%		
Waveform (E AC r Batter Standard Model	mode ery mode Battery type Numbers Standard charging time Maximum charging current	Pure sine way EFFICIENCY 88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	89 81 12 V	9%	88		92	2%		
AC r Batter Standard Model	mode ery mode Battery type Numbers Standard charging time Maximum charging current	88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	89 87 12 V	7%	88					
Batter Standard Model	Battery type Numbers Standard charging time Maximum charging current	88% 83% BATTERY 12 V / 9 AH 2 Charge to 909	12 V	7%	88					
Batter Standard Model	Battery type Numbers Standard charging time Maximum charging current	83% BATTERY 12 V / 9 AH 2 Charge to 909	12 V	7%	88					
Standard Model	Battery type Numbers Standard charging time Maximum charging current	BATTERY 12 V / 9 AH 2 Charge to 909	12 V		1	3%	90	0%	91	1%
Model	Numbers Standard charging time Maximum charging current	12 V / 9 AH 2 Charge to 909		/ 9 AH	12 V					
Model	Numbers Standard charging time Maximum charging current	2 Charge to 909		/ 9 AH	12 V		,			
Model	Standard charging time Maximum charging current	Charge to 909				/ 9 AH		12 V	/ 9 AH	
Model	charging time Maximum charging current		% in 4 hours	4		6	16 pieces	20 pieces	16 pieces	20 piece
C	charging current	1.0A (maximu		4 hours			Charge to 90% in 9 hours			
C	Charging Voltage		ım)					Preset: 1.0 A, r	maximum 2.0A	
		27.4VDC ± 1%	54.7 VI	54.7 VDC ±1% 82.1 VDC ±1%		218.4 VDC ±	273VDC ±	218.4 VDC ±	273VDC :	
-	Battery type		M.	atch multinle h	attery boxes acc	ording to actu	1%	1%	1%	1%
		2 3	4		-		16~20 (adjustable)			
Long-run Model	Numbers Standard	2 3				8	1A/2A/4A/6A			
Houct	charging time			1.0A/2.0A/4.0A/6.0 A			(adjusta	ble, 6A is only	suitable for 16 b	oatteries)
C	Maximum charging current	27.4VDC ± 41.0VDC 1% 1%	± 54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	218.4 V	DC ± 1% (Base	ed on 16 pcs ba	tteries)
		INDICATORS								
LCD or LE	_ED display	Load size, ba	ttery capacity, mair	ns mode, batte	ery mode, bypas	s mode, fault i	ndication			
		ALARM								
Batter	ery mode	Sound every	4 seconds							
Low	battery	Sound onco	ovory cocond							
	,	Sound once every second								
Ove	erload	Sound once e	every second							
Fa	ault	Continuous ri	nging							
		PHYSICAL								
							Host:	Host:		
	D*W*H	310 x 438 x 88 [2U]	410 x 438	8 x 88 [2U]	630 x 438	3 x 88 [2U]	530x438x88 [2U]	530x438x88 [2U]		138x133 [3U] ery kit:
Standard	(mm)						Battery kit: 668x438x88	Battery kit: 580x438x133		x133 [3U]
machine							[2U]	[2U]		
1	Net weight (kg)	12	1	19	2	9.3	Host: 15 Battery kit: 48	Host: 15 Battery kit: 61	Host: 18 Battery kit: 51	Host: 18 Battery kit:
Long	D * W * H	210 v 00 v 00 f 21 i		410 42	וורז מס ע ס			_		
Long lasting —	(mm)	310 x 438 x 88 [2U]		410 x 438 x 88 [2U]		4.3	500 x 438 x 88 [2U]			3 x133 [3U]
machine 1	Net weight (kg)	9		12	1.	4.2	1	5	1	18
		ENVIRONME						Polativo bussi	dity 0, 050/ >>-	
Temperature	e and humidity	Relative humi	idity 20-90% and te	emperature 0-4	40 ° C (non cond	ensing)	temp	perature 0-40 °	dity 0-95% and C (non condens	sing)
No	loise	Less than 50c	dBA @ 1 meter				Less than 55d	BA @ 1 meter	Less than 580	iBA @ 1 met
		MANAGEME	NT							
telligent RS-2	232/optional USB	Supports Win	dows * 2000/2003	3/XP/Vista/200	08, Windows ® 7	/8, Linux, Unix	and MAC			
		Power mana	gement supports S	NMP manager	ment and netwo	rk manageme	ent			

^{*}When the UPS is set to constant voltage and frequency mode, the output power will be reduced by 40%. When the output voltage of the UPS is set to 208VAC, the output power will be reduced by 10%.

**When the number of internal batteries is changed to 16-19, the machine will reduce the output according to the following formula: P=Prating X (N/20 x 100%).

***If the machine is installed at an altitude exceeding 1000 meters, the output power will decrease by 1% for every 100 meters increase.



SY-RT Series Winner Pro+ Rack Tower/Rackmount Online UPS

Power range

1 - 10 kVA

Phase

Single phase with ground

Application area

Widely applied in government, finance, communication, education, transportation, climate, broadcasting television, industry. Various industries such as taxation, healthcare, energy and electricity.



SYRTWinner Pro+



SYRTWinner Pro+6KR (L)



SYRTWinner Pro+10KR (L)

Performance characteristics

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage range
- Converter mode available
- ECO mode for energy saving only available for 1-3K models
- Generator compatible
- Adjustable charging current via LCD or software (1A~6A)
- Emergency power off function (EPO) only available for 6K/10K models
- Comprehensive display allows easy monitoring and access of UPS status

Specification

	Model	SYRTWinne	r Pro+1kVA	SYRTWinner Pro+2kVA	SYRTWinner Pro+3kVA	SYRTWinne	r Pro+6kVA	SYRTWinner	Pro+10kVA
	Capacity	1000VA	/900W/	2000VA/1800W	3000VA/2700W	6000VA	/5400W	10000VA	
	- респу		PUT	2000000	3000474/270044	000007	7 3 100 11	10000011	300011
Nomi	inal voltage			7VAC or 208/220/230/240VAC		208/22	0/230/240VAC		
	-			0-300 VAC (Based on load at 5	0%)		110-300 VAC (Based on load at 50%)		
	oltage range			0-300 VAC (Based on load at 1	00%)	176-300 VAC (Based on load at 100%)			
	iency range		Hz ~ 70 Hz			46~54 h	Hz or 56~64 Hz		
POV	wer factor		0.99 @ 100% lo	ad					
0.4			JTPUT	71/45 200/220/220/240/45		200/22	0 /220 /240 /46		
	out voltage ge regulation	± ·		7VAC or 208/220/230/240VAC		208/220/230/240VAC			
Frequ	iency range		~ 53 Hz or 57 ~	· 63 Hz		46Hz ~ 54 Hz or 56Hz ~ 64 Hz			
	onized range) nge (Battery mode)	50	Hz or 60Hz ± 0	0.5%		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
	nt crest ratio	3:							
Harmonic distortion		≤ :	3% THD (Linear	Load); ≤ 6% THD (Nonlinear L	oad)	≦ 3% THD(Linear Load);≦ 5% THD(Non-linear Load			
Transfer	AC mode to battery mode	No	ot have			0 ms			
Time I	nverter to bypass	41	milliseconds (u	nder standard conditions)	0ms				
Waveform	n (battery mode)	Pu	re sinewave	·					
		EF	FICIENCY						
А	.C mode	88	%	89%	90%	92	2%	93%	
Bati	tery mode	83	1%	87%	88%	90%		91%	
		R/	ATTERY						
	Battery type		V / 9 AH	12 V / 9 AH	12 V / 9 AH		12 V	/ 9 AH	
	Numbers	2	3	4	6	16	20	16	20
Standard	Typical	Charge to 00% in				9 hours recover to 90% capacity			
Model	Recharge Time Charging Current								
	(max.)					218.4 VDC ±	273VDC ±	djustable) 218.4 VDC ±	273VDC ±
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	1%	1%	1%	1%
Long-run	Battery type	Match multiple battery boxes according to actual a			al applications				
	Numbers	3		6	6			\djustable)	
Model	Charging Current (max.)			1.0A/2.0A/4.0A/6.0 A	1A/2A/4A/6A (Adjustable, 6A is only available for 16 pcs batteries)				
	Charging Voltage	41.0 VD	82.1 VDC ±1%			ed on 16 pcs batt			
		IN	DICATORS						
	LCD			vezpacity mains mode, hatter	ay mada, bypass mada, fault i	ndication			
	LCD			y capacity, mains mode, batter	y mode, bypass mode, ladit i	Hulcation			
		AL	ARM						
Battery mode		So	unding every	4 seconds					
Low battery		Sounding every second							
0	verload	Sounding twice every second							
	Fault	Co	ntinuously sou	ınding					
		DI.	HYSICAL						
Standard	D*W*H (mm)	310 x 438 x 88		410 x 438 x 88	630 x 438 x 88	UPS Unit: 500x438x88 [2U] Battery Pack: 668x438x88	UPS Unit: 500x438x88 [2U] Battery Pack: 580x438x133	UPS L 500x438x Battery 580x438x	133 [2U] Pack:
Model	Net weight (kg)	12	14.1	19	29.3	[2U] UPS Unit:15 Battery pack:48	[3U] UPS Unit: 15 Battery Pack: 61	UPS Unit: 18 Battery Pack: 51	UPS Unit: 18
less	D*W*H	220 422	w 00	410 420 20	430 - 430 - 00				
Long backup	(mm)	310 x 438 x 88 410 x 438 x 88		410 x 438 x 88	500 x 438 x 88 [2U] 580 x 438 x				
time model	Net weight (kg)	9		12	14.2		5	18	3
			IVIRONMENT						
	lumidity	Re	lative humidity	/ 20-90% and temperature 0-4l	0 ° C (non condensing)	0-95	5% RH @ 0-40°	C (non-condensi	ng)
No	oise level		ss than 50dB (1 Meter		Less than 55d	IBA @ 1 meter	Less than 58d	BA @ 1 meter
			ANAGEMENT						
Smart	RS-232 / USB	Su	pports Window	vs* 2000/2003/XP/Vista/2008,	Windows* 7/8/10, Linux and	MAC			
Opti	onal SNMP	Po		nent from SNMP manager and					
				do or when the output voltage					

^{*1-3}KVA: Derate to 70% of capacity in Frequency converter mode or when the output voltage is adjusted to 208VAC
**6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC
***Long-run model is only available in 208/220/230/240VAC systems.



SY-RT High Frequency Rack Mounted UPS

Power range

10 - 60 kVA

Phase

Three in, three out

Application areas

Widely applied in government, finance, communication, education, transportation, meteorology, broadcasting & television, plus taxation, healthcare, energy & power industries.

Performance characteristics

- Pure double conversion technology
- Automatic LCD screen rotation
- (only for 10K-30K models)
- DSP technology ensures high performance
- Output power factor 1.0
- With power factor correction
- 50 Hz/60Hz inverter mode
- With energy-saving working mode (ECO)
- Emergency shutdown function (EPO)
- Support generator
- Support two-way input



High Frequency Rack Mounted UPS (10-60kVA)

- Three-stage charging design to optimize battery performance
- Adjustable number of batteries for long-term operation
- Support shared battery packs
- Optional isolation transformer
- Optional parallel operation
- SNMP+USB+RS-232 multiple communications
- Power walk-in function



High Frequency Rack Mounted UPS (10-60kVA)

Specification

Model	SYRT10kVA			SYRT30kVA	SYRT40kVA	SYRT60kVA			
Capacity	10kVA/10kW	SYRT15kVA 15kVA/15kW	SYRT20kVA 20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW			
Phase	Three in, thr		2010/1/2010	3000,03000	10.000	CORVI () CORVI			
Parallel capacity	4 max								
	INPUT								
Rated voltage	3 x 380 VAC	(3PH+N)							
Voltage range	190-520VAC	(three-phase) @ 50% lo	oad, -305-478VAC (three-p	ohase) @ 100% load					
Frequency range	46 ~ 54 Hz c	or 56 ~ 64Hz							
Power factor	≧ 0.99 100%	load							
	ОИТРИТ								
Rated voltage	3 x 360*/380	0/400/415 VAC (3PH+N)							
itput accuracy (battery mode)	±1%								
Frequency range (nchronous correction range)	46 ~ 54Hz o	r 56 ~ 64Hz							
Frequency range (battery mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz								
Current peak ratio	3: 1 (maxim	3: 1 (maximum value)							
Harmonic distortion	≤ 1% THD (linear load) ≤ 3% THD (nonlinear load)								
AC mode to battery mode	hattery mode NOT nave								
Time Inverter to bypass	Not have								
Waveform (battery mode)	Pure sine wa	ave							
AC mode	100% -1109	6 60 minutes, 110% -12	5% 10 minutes, 125% -150	% 1 minute,>150% immed	liate protection				
Battery mode	100% -110%	6 60 minutes, 110% -12	5% 10 minutes, 125% -150	% 1 minute,>150% immed	liate protection				
	EFFICIENC	Υ							
AC mode	95.5%								
ECO mode	98.5%								
Battery mode	94.5%								
	BATTERY								
Туре	Match multi	ple battery boxes accor	ding to actual application	5					
Numbers	20			32 ~ 40 (Adjustable)					
Maximum charging current	1A ~ 12A (Ad	djustable)			1A ~ 16A (Adjustable)	1A ~ 18A (Adjustable			
Charging Voltage	± 13.65 VDC x N (N=10)			± 13.65 V × N (N = 16 ~ 20)				
	PHYSICAL	PROPERTY							
Size Depth * Width * Height (mm)	680 x 438 x	133 [3U]			797 x 438	x 176 [4U]			
Net weight (kg)	27		30	32	40	45			
	ENVIRONM	ENT							
Temperature and humidity			ensing) and temperature ()-40 °C					
	less than 62dB@1 m	,, , , , , , ,	less than 65dB@1 m		less than	70dB@1 m			
10.50	MANAGEM	ENT	111 Case 1 111		icas aldii				
Intelligent RS-232/USB		indows® series, Linux ar	nd MAC						
Optional SNMP			P management and netw	ork management					
hen the output voltage is set to									



SY-RT Series 1KVA/1.5KVA/2KVA/3KVA Rack/Tower Online UPS

Power range

1 - 3 kVA

Phase

Single phase with ground

Application area

Widely applied in government, finance, communication, education, transportation, climate, broadcasting television, industry.
Various industries such as taxation, healthcare, energy and electricity.



Performance characteristics

- True double-conversion
- Output power factor 1
- Output voltage regulation < 1%
- Higher output crest ratio 3:1
- 50Hz/60Hz frequency converter mode
- Programmable power management outlets
- Emergency power off function (EPO)
- Hot swappable battery design
- ECO mode energy saving
- Emergency power off (EPO) function
- Provides over voltage cutt-off protection and surge immunity by MOV for full time equipment protection
- High power factor charger upto 1000W capacity with very low ripple current when charging battery
- Low input THDi to reduce power system pollution
- Adjustable charging current via LCD panel

Specification

	Decification Model	CVP	TIK	SYRT1.5K	CVI	RT2K	SYRT3K		
		SYRT1K SYRT1.5K 1000VA/1000W 1500VA/1500W					3000VA/3000W		
Capacity 1000VA/1000W 1500VA/1500W 2000VA/2000W INPUT									
Ni	ominal Voltage			AC or 200/208/220/230/240 VAC					
	/oltage Range	55-15	60 VAC ± 5% or 110-	300 VAC ± 5% @ 50% load					
80-150 VAC ± 5% or 160-300 VAC ± 5% @ 100% load Frequency Range 40Hz ~ 70 Hz									
	Power Factor		@ nominal voltag						
Harmo	onic Distortion(THDi)	≤ 5% @ nominal input voltage							
		OUTF							
	Output Voltage Oltage Regulation	100*/	110*/115*/120/127	7 VAC or 200*/208*/220/230/240 VAC					
	(Batt. Mode)	± 1%							
	equency Range chronized range)	57 ~ 6	33 Hz or 47 ~ 53 Hz						
requency	/ Range (Battery mode)	60Hz	± 0.1Hz or 50 Hz ± 0).1Hz					
Cu	rrent Crest Ratio	3:1 (n	nax.)						
Har	monic Distortion	≦2 %	THD (Linear Load) ;	≤ 4 % THD (Non-linear Load)					
ransfer '	AC Mode to Batt. Mode	Zero							
Time	Inverter to Bypass	4 ms	(Typical)						
Wavef	orm (battery mode)	Pure 9	Sinewave						
		EFFIC	CIENCY						
	AC Mode	≥89%	@ full charged bat	terv	≧91% @ full charged battery				
	ECO Mode		@ full charged bat	-	,				
				tery		>000			
	Battery Mode	≧88%				≧90%			
		BATT	ERY						
	Battery type	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah		
	Numbers	2	3	3	4	6	6		
Tyni	ical recharge time	3 hou	rs recover to 05% c	apacity for internal battery@ 2A charc	ning current				
Турі	cat recharge time								
Cl	harging Current			/AC models: default 2A, max. 8A adjus AC models: default 2A, max. 12A adju		Defaul	t: 2A, Max: 8A adjustable		
Ch	narging Voltage	27.4 VDC ± 1%	41.1 VDC ± 1%	41.1 VDC ± 1%	54.8 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%		
		INDIC	CATORS						
	LCD			attery level, Input/Output voltage, Dis	charge timer, and	Fault conditions			
		ALAR							
	Battery mode		ding every 5 second	dc					
	Low battery		ding every 2 second						
		Sounding every second							
	Overload	Continuously sounding							
	Fault	PHYS							
Dimen:	sion, D x W x H(mm)	410 x 4	38 x 88	410 x 438 x 88	510 x 438 x 88	630 x 438 x 88	630 x 438 x 88		
(with	Net Weight nout battery) (kgs)	6.6	7.8	8.1	9.4	10.6	12.4		
(w/hii	Net Weight ilt-int battery) (kgs)	11.6	14.1	15.5	19.5	23.3	27.5		
(11, 50		ENVI	RONMENT						
	Humidity	20-90) % RH @ 0- 40°C (n	on-condensing)					
	-								
	Noise level	Less t	han 50dB @ 1 Mete	21					
	Altitude	10% c	de-rating for over 1	000m (The altitude should not exceed	3000m)				
		MANA	AGEMENT						
Sm	art RS-232 / USB	Supp	orts Windows® 2000	0/2003/XP/Vista/2008/7/8/10, Linux	and MAC				
C	Optional SNMP	Powe	r management froi	m SNMP manager and web browser					
		STAN	DARD						
	EMC/safety	(EMC	1-1.5K: EN62040-2	C1, 2K-3K EN62040-2 C2) for CE mode	els				
				<u> </u>					

*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.

09 Hefei Shuyi Digital Power Co., Ltd.



SY-RT Series 6KVA/10KVA Rack/Tower Online UPS

Power range

6 kVA / 10 kVA

Phase

1 phase in / 1 phase out

Application area

Widely applied in government, finance, communication, education, transportation, climate, broadcasting television, industry. Various industries such as taxation, healthcare, energy and electricity.



Performance characteristics

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1
- Wide input voltage range (110-300 VAC)
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional N+X parallel redundancy

Specification

Model		SYRT6kVA		SYRT10kVA						
	Capacity			10000VA/10000W						
	apacity	6000VA/6000W		10000VA	710000W					
Nami		INPUT								
Nominal Voltage			208/220/230/240 VAC							
Voltage Range			110~300VAC ± 3 % at 50% load 176~300VAC ± 3 % at 100% load							
Frequ	ency Range	46~54 Hz ◎ 50Hz / 56~6	4 Hz ◎ 60Hz							
	ver Factor	≧ 0.99 @ full load	≥ 0.99 @ full load							
	THDi	< 4% @100% Load, < 6%	@50% Load							
		OUTPUT								
Output Voltage		208*/220/230/240 VAC		208*/220/230/240 VAC						
AC Volta	ige Regulation	± 1%								
	ency Range onized Range)	46~54 Hz ◎ 50Hz / 56~6	46~54 Hz ◎ 50Hz / 56~64 Hz ◎ 60Hz							
	nge (Battery mode)	50 Hz + 0.1 Hz or 60 Hz +	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz							
	nt Crest Ratio	3:1 (max.)								
	nic Distortion		≦4% THD (Non-linear Load)							
	AC Mode to		,							
ransfer Time	Battery Mode	Zero								
	nverter to Bypass		Zero							
waveform	n (Battery mode)		Pure Sinewave							
verload —	AC Mode	100%~110%: 10min、11	0%~130%: 1min、>130%: 1sec							
	Battery Mode	100%~110%: 30sec、110%~130%: 10sec、>130%: 1sec								
		EFFICIENCY								
AC Mode		94%		94						
ECO Mode		98.5%		98.						
Battery Mode			92% 92% 92% 92%							
	Battery Type	12 V	12 V / 7 Ah 12 V / 9 Ah							
	Numbers	16	20	16	20					
Standard Model	Typical Recharge Time	9 hours recover to 90% o	apacity							
	Charging Current (max.)	1.0 A								
	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%					
	Battery type	Depending on application								
			16-20**							
Long-run	Numbers Charging Current	16-20***								
Model	Charging Current (max.)	4.0 A	4.0 A							
Charging Voltage		(13.65VDC x battery num	(13.65VDC x battery number) ± 1%							
		INDICATORS								
LC	ID Panel	UPS status, Load level, B	attery level, Input/Output voltage, Dis	charge timer, and Fault conditions						
		ALARM								
Rati	tery Mode	Sounding every 4 secon	ds.							
			Sounding every seconds							
	w Battery Iverload		3 7							
			Sounding twice every second							
Fault			Continuously sounding							
		PHYSICAL	LIDC Units 610 × 420 × 00 [213]	LIDC Linit: 610 × 420 × 00 fat 4	LIDC Units 410 v 420 v 00 fault					
Standard	D * W * H(mm)	UPS Unit: 610 x 438 x 88 [2U] Battery Pack:715 x 438 x 88 [2U]	UPS Unit: 610 x 438 x 88 [2U] Battery Pack:600 x 438 x 133 [3U]	UPS Unit: 610 x 438 x 88 [2U] Battery Pack: 715 x 438 x 88 [2U]	UPS Unit: 610 x 438 x 88 [2U] Battery Pack:600 x 438 x 133 [3U					
Model	Net weight (kg)	UPS Unit: 17 Battery Pack: 48	UPS Unit: 17 Battery Pack: 57	UPS Unit: 20 Battery Pack: 53	UPS Unit: 20 Battery Pack: 63					
Long	D * W * H(mm)				610 x 438 x 88 [2U]					
backup ne model										
c model	Net weight (kg)		17	2	0					
		ENVIRONMENT								
Operating Humidity		20-90 % RH @ 0- 40°C (n	on-condensing)							
Noise Level		Less than 55dB @1Meter	Less than 55dB @1Meter Less than 58dB @1Meter							
No	/ISC ECTEL									
No	, se zevet	MANAGEMENT								
	RS-232 / USB		0/2003/XP/Vista/2008, Windows® 7/8.	/10, Linux and MAC						

^{*} Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC or parallel system is operated.

**When using 16 pieces of batteries, the output power factor will be derated to 0.8. If using 18 or 19 pieces of batteries, the output power factor will be derated to 0.9

***If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.