SHUYI UPS SOLUTIONS

SY - RT Online High-Frequency UPS

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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 55 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 infrastructure.

- As the technology has impoved by leaps and bounds over the past decades, and AI technology start massive applications, that strongly demands data centers must make progress and breakthroughs in terms of scale, architecture, technology and management, must work more efficently, more reliable, more intelligent and much greener.

SHUYI
Hefei Shuyi Digital Power Co., Ltd.

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 have obtained ISO9001 quality management system certification, ISO14001 environmental management system certification, and the products have been certified by CE ICE, UL certification.

SHUYI

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

SYRT1kVA/SYRT2kVA/SYRT3kVA

SYRT6kVA/SYRT10kVA

■ Specification

Model		SYRT1kVA	SYRT2kVA	SYRT3kVA	SYRT6kVA	SYRT10kVA
Capacity		1000VA/800W	2000VA/1600W	3000VA/2400W	6000VA/4800W	10000VA/8000W
INPUT						
Nominal voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC	
Input voltage range		55-145 VAC or 110-300 VAC at 50% load 85-140 VAC or 160-280 VAC at 100% load			110-300 VAC ± 3% at 50% load 176-300 VAC ± 3% at 100% load	
Frequency range		40Hz ~ 70 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz	
Power factor		≥ 0.99 @ 100% load				
OUTPUT						
Rated voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC	
Voltage range (Battery mode)		± 1%			± 1%	
Frequency range (Synchronous correction range)		47~ 53 Hz or 57 ~ 63 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz	
Frequency range (Battery mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current peak ratio		3:1				
Harmonic distortion		≤ 3% THD (linear load); ≤ 5% THD (Nonlinear Load)			≤ 3% THD (linear load); ≤ 5% THD (Nonlinear Load)	
Time	Switching from mains mode to battery mode	Not have				
	Reverse to bypass	4 milliseconds (under standard conditions)			0 milliseconds	
Waveform (Battery mode)		Pure sine wave				
EFFICIENCY						
AC mode		88%	89%	90%	92%	93%
Battery mode		83%	87%	88%	90%	91%
BATTERY						
Standard Model	Battery type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	
	Numbers	2	4	6	16 pieces / 20 pieces	16 pieces / 20 pieces
	Standard charging time	Charge to 90% in 4 hours			Charge to 90% in 9 hours	
	Maximum charging current	1.0A (maximum)			Preset: 1.0 A, maximum 2.0A	
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC ± 1% / 273VDC ± 1%	218.4 VDC ± 1% / 273VDC ± 1%
Long-run Model	Battery type	Match multiple battery boxes according to actual applications				
	Numbers	2	3	6	6	8	16~20 (adjustable)	
	Standard charging time	1.0A/2.0A/4.0A/6.0 A			1A/2A/4A/6A (adjustable, 6A is only suitable for 16 batteries)	
	Maximum charging current	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	218.4 VDC ± 1% (Based on 16 pcs batteries)	
INDICATORS						
LCD or LED display		Load size, battery capacity, mains mode, battery mode, bypass mode, fault indication				
ALARM						
Battery mode		Sound every 4 seconds				
Low battery		Sound once every second				
Overload		Sound once every second				
Fault		Continuous ringing				
PHYSICAL						
Standard machine	D * W * H (mm)	310 x 438 x 88 [2U]	410 x 438 x 88 [2U]	630 x 438 x 88 [2U]	Host: 530x438x88 [2U] Battery kit: 668x438x88 [2U] / Host: 530x438x88 [2U] Battery kit: 580x438x133 [2U]	Host: 580x438x133 [3U] Battery kit: 580x438x133 [3U]
	Net weight (kg)	12	19	29.3	Host: 15 Battery kit: 48 / Host: 15 Battery kit: 61	Host: 18 Battery kit: 51 / Host: 18 Battery kit: 61
Long lasting machine	D * W * H (mm)	310 x 438 x 88 [2U]	410 x 438 x 88 [2U]		500 x 438 x 88 [2U]	580 x 438 x133 [3U]
	Net weight (kg)	9	12	14.2	15	18
ENVIRONMENT						
Temperature and humidity		Relative humidity 20-90% and temperature 0-40 ° C (non condensing)			Relative humidity 0-95% and temperature 0-40 ° C (non condensing)	
Noise		Less than 50dBA @ 1 meter			Less than 55dBA @ 1 meter	Less than 58dBA @ 1 meter
MANAGEMENT						
Intelligent RS-232/optional USB		Supports Windows ® 2000/2003/XP/Vista/2008, Windows ® 7/8, Linux, Unix, and MAC				
Optional SNMP		Power management supports SNMP management and network management				

*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.

SHUYi

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+
1KRT(L)/2KRT(L)/3KRT(L)

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		SYRTWinner Pro+1kVA	SYRTWinner Pro+2kVA	SYRTWinner Pro+3kVA	SYRTWinner Pro+6kVA	SYRTWinner Pro+10kVA
Capacity		1000VA/900W	2000VA/1800W	3000VA/2700W	6000VA/5400W	10000VA/9000W
INPUT						
Nominal voltage		110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC	
Input voltage range		60-145 VAC or 120-300 VAC (Based on load at 50%) 90-145 VAC or 180-300 VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)	
Frequency range		40Hz ~ 70 Hz			46~54 Hz or 56~64 Hz	
Power factor		≥ 0.99 @ 100% load				
OUTPUT						
Output voltage		110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC	
Voltage regulation		± 1%				
Frequency range (Synchronized range)		47~ 53 Hz or 57 ~ 63 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz	
Frequency range (Battery mode)		50 Hz or 60Hz ± 0.5%			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current crest ratio		3:1				
Harmonic distortion		≤ 3% THD (Linear Load); ≤ 6% THD (Nonlinear Load)			≤ 3% THD(Linear Load);≤ 5% THD(Non-linear Load)	
Transfer Time	AC mode to battery mode	Not have			0 ms	
	Inverter to bypass	4 milliseconds (under standard conditions)			0ms	
Waveform (battery mode)		Pure sinewave				
EFFICIENCY						
AC mode		88%	89%	90%	92%	93%
Battery mode		83%	87%	88%	90%	91%
BATTERY						
Standard Model	Battery type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	
	Numbers	2	3	4	6	16 / 20 / 16 / 20
	Typical Recharge Time	Charge to 90% in 4 hours			9 hours recover to 90% capacity	
	Charging Current (max.)	1.0A (maximum)			1A/2A (Adjustable)	
	Charging Voltage	27.4VDC ± 1%	41.0VDC ±1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC ± 1% / 273VDC ± 1% / 218.4 VDC ± 1% / 273VDC ± 1%
Long-run Model	Battery type	Match multiple battery boxes according to actual applications				
	Numbers	3	6	6	16 ~ 20 (Adjustable)	
	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 VDC ±1%	82.1 VDC ±1%	82.1 VDC±1%	218.4 VDC ± 1%（Based on 16 pcs batteries）	
INDICATORS						
LCD		Load size, battery capacity, mains mode, battery mode, bypass mode, fault indication				
ALARM						
Battery mode		Sounding every 4 seconds				
Low battery		Sounding every second				
Overload		Sounding twice every second				
Fault		Continuously sounding				
PHYSICAL						
Standard Model	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 [2U]	UPS Unit: 500x438x88 [2U] Battery Pack: 580x438x133 [3U]	UPS Unit: 500x438x133 [2U] Battery Pack: 580x438x133 [3U]
	Net weight (kg)	12	14.1	19	29.3	UPS Unit:15 Battery pack:48	UPS Unit: 15 Battery Pack: 61	UPS Unit: 18 Battery Pack: 51	UPS Unit: 18 Battery Pack: 61
Long backup time model	D * W * H (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 133 [3U]
	Net weight (kg)	9	12	14.2	15	18
ENVIRONMENT						
Humidity		Relative humidity 20-90% and temperature 0-40 ° C (non condensing)			0-95% RH @ 0-40℃ (non-condensing)	
Noise level		Less than 50dB @ 1 Meter			Less than 55dBA @ 1 meter	Less than 58dBA @ 1 meter
MANAGEMENT						
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC				
Optional SNMP		Power management from SNMP manager and web browser				

*1-3KVA: 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

- 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)

High Frequency Rack Mounted UPS (10-60kVA)

Specification

Model	SYRT10kVA	SYRT15kVA	SYRT20kVA	SYRT30kVA	SYRT40kVA	SYRT60kVA
Capacity	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
Phase	Three in, three out					
Parallel capacity	4 max					
INPUT						
Rated voltage	3 x 380 VAC (3PH+N)					
Voltage range	190-520VAC (three-phase) @ 50% load, -305-478VAC (three-phase) @ 100% load					
Frequency range	46 ~ 54 Hz or 56 ~ 64Hz					
Power factor	≥ 0.99 100% load					
OUTPUT						
Rated voltage	3 x 360*/380/400/415 VAC (3PH+N)					
Output accuracy (battery mode)	± 1%					
Frequency range (synchronous correction range)	46 ~ 54Hz or 56 ~ 64Hz					
Frequency range (battery mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz					
Current peak ratio	3: 1 (maximum value)					
Harmonic distortion	≤ 1% THD (linear load) ≤ 3% THD (nonlinear load)					
Transfer Time — AC mode to battery mode	Not have					
Transfer Time — Inverter to bypass	Not have					
Waveform (battery mode)	Pure sine wave					
Overload — AC mode	100% -110% 60 minutes, 110% -125% 10 minutes, 125% -150% 1 minute,>150% immediate protection					
Overload — Battery mode	100% -110% 60 minutes, 110% -125% 10 minutes, 125% -150% 1 minute,>150% immediate protection					
EFFICIENCY						
AC mode	95.5%					
ECO mode	98.5%					
Battery mode	94.5%					
BATTERY						
Type	Match multiple battery boxes according to actual applications					
Numbers	20	32 ~ 40 (Adjustable)				
Maximum charging current	1A ~ 12A (Adjustable)				1A ~ 16A (Adjustable)	1A ~ 18A (Adjustable)
Charging Voltage	± 13.65 VDC x N (N=10)	± 13.65 V x 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
ENVIRONMENT						
Temperature and humidity	0-95% relative humidity (non condensing) and temperature 0-40 ℃					
Noise	less than 62dB@1 m	less than 65dB@1 m		less than 70dB@1 m		
MANAGEMENT						
Intelligent RS-232/USB	Supports Windows® series, Linux and MAC					
Optional SNMP	Power management supports SNMP management and network management					

*When the output voltage is set to 3 × 360VAC, the output capacity is reduced to 90%.

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

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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

Model	SYRT1K		SYRT1.5K	SYRT2K		SYRT3K
Capacity	1000VA/1000W		1500VA/1500W	2000VA/2000W		3000VA/3000W
INPUT						
Nominal Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC					
Voltage Range	55-150 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	≧ 0.99 @ nominal voltage (100% load)					
Harmonic Distortion(THDi)	≦ 5% @ nominal input voltage					
OUTPUT						
Output Voltage	100*/110*/115*/120/127 VAC or 200*/208*/220/230/240 VAC					
AC Voltage Regulation (Batt. Mode)	± 1%					
Frequency Range (Synchronized range)	57 ~ 63 Hz or 47 ~ 53 Hz					
Frequency Range (Battery mode)	60Hz ± 0.1Hz or 50 Hz ± 0.1Hz					
Current Crest Ratio	3:1 (max.)					
Harmonic Distortion	≦2 % THD (Linear Load) ; ≦ 4 % THD (Non-linear Load)					
Transfer Time — AC Mode to Batt. Mode	Zero					
Transfer Time — Inverter to Bypass	4 ms (Typical)					
Waveform (battery 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	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
Typical recharge time	3 hours recover to 95% capacity for internal battery@ 2A charging current					
Charging Current	100/110/115/120 /127 VAC models: default 2A, max. 8A adjustable 200/208/220/230/240 VAC models: default 2A, max. 12A adjustable				Default: 2A, Max: 8A adjustable	
Charging 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%
INDICATORS						
LCD	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions					
ALARM						
Battery mode	Sounding every 5 seconds					
Low battery	Sounding every 2 second					
Overload	Sounding every second					
Fault	Continuously sounding					
PHYSICAL						
Dimension, D x W x H(mm)	410 x 438 x 88		410 x 438 x 88	510 x 438 x 88	630 x 438 x 88	630 x 438 x 88
Net Weight (without battery) (kgs)	6.6	7.8	8.1	9.4	10.6	12.4
Net Weight (w/built-int battery) (kgs)	11.6	14.1	15.5	19.5	23.3	27.5
ENVIRONMENT						
Humidity	20-90 % RH @ 0- 40°C (non-condensing)					
Noise level	Less than 50dB @ 1 Meter					
Altitude	10% de-rating for over 1000m (The altitude should not exceed 3000m)					
MANAGEMENT						
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					
STANDARD						
EMC/safety	(EMC 1-1.5K: EN62040-2 C1, 2K-3K EN62040-2 C2) for CE models					

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

![SHUYI logo]

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		6000VA/6000W		10000VA/10000W	
INPUT					
Nominal Voltage		208/220/230/240 VAC			
Voltage Range		110~300VAC ± 3 % at 50% load 176~300VAC ± 3 % at 100% load			
Frequency Range		46~54 Hz @ 50Hz / 56~64 Hz @ 60Hz			
Power Factor		≧ 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 Voltage Regulation		± 1%			
Frequency Range (Synchronized Range)		46~54 Hz @ 50Hz / 56~64 Hz @ 60Hz			
Frequency range (Battery mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio		3:1 (max.)			
Harmonic Distortion		≦1% THD (Linear Load), ≦4% THD (Non-linear Load)			
Transfer Time	AC Mode to Battery Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Battery mode)		Pure Sinewave			
Overload	AC Mode	100%~110%: 10min、110%~130%: 1min、>130% : 1sec			
	Battery Mode	100%~110%: 30sec、110%~130%: 10sec、>130% : 1sec			
EFFICIENCY					
AC Mode		94%		94%	
ECO Mode		98.5%		98.5%	
Battery Mode		92%		92%	
BATTERY					
Standard Model	Battery Type	12 V / 7 Ah		12 V / 9 Ah	
	Numbers	16	20	16	20
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1.0 A			
	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%
Long-run Model	Battery type	Depending on applications			
	Numbers	16-20**			
	Charging Current (max.)	4.0 A			
	Charging Voltage	(13.65VDC x battery number) ± 1%			
INDICATORS					
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM					
Battery Mode		Sounding every 4 seconds			
Low Battery		Sounding every seconds			
Overload		Sounding twice every second			
Fault		Continuously sounding			
PHYSICAL					
Standard Model	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]
	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 backup time model	D * W * H(mm)	610 x 438 x 88 [2U]		610 x 438 x 88 [2U]	
	Net weight (kg)	17		20	
ENVIRONMENT					
Operating Humidity		20-90 % RH @ 0- 40℃ (non-condensing)			
Noise Level		Less than 55dB @1Meter		Less than 58dB @1Meter	
MANAGEMENT					
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

* 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.