

SHUYI UPS SOLUTIONS



SY - S Off-Line 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 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 infrastructure.



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

SOETECK

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 passed the ISO9001 quality management system certification, ISO14001 environmental management system certification, and the products have passed CE, ICE, UL certification.

SY-S Series 0.5kVA - 1kVA Off-Line UPS

Main Features

- CPU controlled
- Auto re-starts when AC recovers
- Silence setup
- Automatic charging (offline charging)
- Battery low voltage protection
- Overload & short circuit protection
- Wide input voltage range

Technical Parameter



| Model | SYS525 | SYS525A | SYS625 | SYS1000 |
|----------------------------|---|-------------------------|---------------|---------------|
| Capacity | 500VA/300W | 500VA/300W | 600VA/360W | 1000VA/500W |
| | INPUT | | | |
| Input Voltage | 110/120Vac or 220/230/240Vac | | | |
| Input Voltage Range | 90-132Vac / 175-265Vac | 85-150Vac / 145-290Vac | | |
| Frequency Range | 46~65 Hz | | | |
| | OUTPUT | | | |
| Output Voltage | 110/120Vac or 220/230/240Vac | | | |
| Output Voltage Range | 90-132Vac / 175-265Vac | 102-132Vac / 200-255Vac | | |
| Output Frequency | 60 ± 0.5Hz or 50 ± 0.5Hz (Batt, mode) | | | |
| Output Wave Form | PWM (Batt, mode) | | | |
| Transfer Time | Typical 2-6ms, 10ms max | | | |
| | BATTERY | | | |
| QTY.&Capacity Of Battery | 12V/4.5AH * 1pc | 12V/4.5AH * 1pc | 12V/7AH * 1pc | 12V/9AH * 1pc |
| Charging Period | 4-6 hours recover to 90% capacity | | | |
| | PROTECTION | | | |
| Full Protection | Low voltage & overload & short circuit protection | | | |
| | PHYSICAL | | | |
| Unit Dimension (mm) | 255*98*140 | | 300*95*140 | |
| Net Weight (kg) | 3.5 | 3.6 | 4.3 | 4.8 |
| | ENVIRONMENT | | | |
| Environment Of Performance | Temperature 0°C ~ 40°C, Humidity 20% - 90% | | | |
| Noise Level | ≤40dB(1m) | | | |
| | MANAGEMENT | | | |
| LCD or LED,RJ45/11 & USB | Optional | | | |

Product specifications are subject to change without notice.

SY-S Series 1.2kVA - 3kVA Off-Line UPS

Main Features

- CPU controlled
- Auto re-starts when AC recovers
- Silence setup
- Automatic charging (offline charging)
- Battery low voltage protection
- Overload & short circuit protection
- Wide input voltage range

Technical Parameter



| Model | SYS1200 | SYS1500 | SYS2000 | SYS3000 |
|----------------------------|---|---------------|-------------------------|---------------|
| Capacity | 1200VA/720W | 1500VA/900W | 2000VA/1200W | 3000VA/1800W |
| | INPUT | | | |
| Input Voltage | 110/120Vac or 220/230/240Vac | | | |
| Input Voltage Range | 85-150Vac / 145-290Vac | | 85-150Vac / 175-275Vac | |
| Frequency Range | 45~65 Hz | | | |
| | OUTPUT | | | |
| Output Voltage | 110/120Vac or 220/230/240Vac | | | |
| Output Voltage Range | 102-132Vac / 200-255Vac | | 102-132Vac / 198-242Vac | |
| Output Frequency | 60 ± 0.5Hz or 50 ± 0.5Hz (Auto sensing) | | | |
| Output Wave Form | PWM (Batt, mode) | | | |
| Transfer Time | Typical 2-6ms, 10ms max | | | |
| | BATTERY | | | |
| QTY.&Capacity Of Battery | 12V/7AH * 2pc | 12V/9AH * 2pc | 12V/9AH * 2pc | 12V/9AH * 4pc |
| Charging Period | 4-6 hours recover to 90% capacity | | | |
| | PROTECTION | | | |
| Full Protection | Low voltage & overload & short circuit protection | | | |
| | PHYSICAL | | | |
| Unit Dimension (mm) | 330*122*192 | | 345*122*192 | 412*145*210 |
| Net Weight (kg) | 9.5 | 11.5 | 14.7 | 20 |
| | ENVIRONMENT | | | |
| Environment Of Performance | Temperature 0°C ~ 40°C, Humidity 20% - 90% | | | |
| Noise Level | ≤40dB(1m) | | | |
| | MANAGEMENT | | | |
| LCD or LED,RJ45/11 & USB | Optional | | | |

Product specifications are subject to change without notice.

SY-SR Series 0.6kVA - 5kVA Off-Line UPS

Main Features

- Double CPU controlled
- Silence function
- Pure sine wave output
- Compatible with generator
- Automatically transferred to battery mode when input over voltage or under voltage
- Output overload and short circuit protection



Technical Parameter

| Model | SYSR600 | SYSR1K | SYSR1.5K | SYSR2K | SYSR3K | SYSR5K | SYSR600L | SYSR1KL | SYSR1.5KL | SYSR2KL | SYSR3KL | SYSR5KL |
|----------------------------|---|-------------|-----------|-------------|-----------|-------------|------------------------------------|-------------|-----------|-------------|---------|---------|
| Capacity | 600VA | 1000VA | 1500VA | 2000VA | 3000VA | 5000VA | 600VA | 1000VA | 1500VA | 2000VA | 3000VA | 5000VA |
| | 360W | 800W | 1200W | 1600W | 2400W | 4000W | 360W | 800W | 1200W | 1600W | 2400W | 4000W |
| | DISPLAY | | | | | | | | | | | |
| Indicator Panel | LCD display / LED display (Optional) | | | | | | | | | | | |
| | AC MODE | | | | | | | | | | | |
| lutput Voltage | 145 - 275 Vac | | | | | | | | | | | |
| lutput Frequency | 45 - 65Hz | | | | | | | | | | | |
| Output Voltage | 200 - 240 Vac | | | | | | | | | | | |
| | INVERTER MODE | | | | | | | | | | | |
| Output Voltage | 200V ± 5% | | | | | | | | | | | |
| Output Frequency | 50 ± 0.5Hz | | | | | | | | | | | |
| Power Factor | 0.6 | 0.8 | | | | | 0.6 | 0.8 | | | | |
| Output Wave Form | Pure Sine Wave | | | | | | | | | | | |
| Transfer Time | Typical 2-6ms, 10ms max | | | | | | | | | | | |
| Overload Capability | 110% shut down within 60secs. | | | | | | 120% shut down within 5secs | | | | | |
| Overcurrent Protection | System shuts down automatically within 20ms | | | | | | | | | | | |
| | BATTERY | | | | | | | | | | | |
| Battery Type | Sealed maintenance-free lead-acid batteries | | | | | | | | | | | |
| DC Voltage | DC12V | DC24V | | DC48V | | | DC24V | | | DC48V | | |
| QTY. & Capacity Of Battery | 12V/7AH*1 | 12V/7AH*2 | 12V/9AH*2 | 12V/7AH*4 | 12V/9AH*4 | 12V1/7AH*4 | External battery | | | | | |
| Charging Current | ----- | | | | | | 5A / 10A (Adjustable) | | | | | |
| Charging Period | 6-8 hours recover to 90% capacity | | | | | | Depends on the batteries connected | | | | | |
| Battery Protection Point | Adjustable | | | | | | | | | | | |
| | PHYSICAL | | | | | | | | | | | |
| Dimension (mm) | 305*85*141 | 384*122*192 | | 375*192*330 | | 585*192*330 | 305*85*141 | 345*122*192 | | 455*195*330 | | |
| Net Weight (kg) | 4.5 | 9 | 12.1 | 22.5 | 24.5 | 30 | 3.8 | 6 | 8.1 | 17.3 | 20.6 | 26 |
| | ENVIRONMENT | | | | | | | | | | | |
| Environment | Temperature 0°C ~ 40°C, Humidity 20% - 90% | | | | | | | | | | | |
| Noise Level | ≤40dB(1m) | | | | | | | | | | | |
| Altitude | ≤ 1000 m (Altitude exceeds 1000m,full power cannot reach) | | | | | | | | | | | |
| | MANAGEMENT | | | | | | | | | | | |
| USB & RS232 | Optional | | | | | | | | | | | |

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SY-SR Series 1kVA - 5kVA Off-Line UPS

Main Features

- Pure sine wave output
- Double CPU controlled
- G-Sensor autorotation LCD display
- Extensible battery pack
- Powerful charging function(Self settable)



Technical Parameter

| Model | SYSR1K/SYSR1KL | | SYSR1.5K/SYSR1.5KL | | SYSR2K/SYSR2KL | | SYSR3K/SYSR3KL | | SYSR5K/SYSR5KL | | |
|----------------------------|--|-------|--------------------|-------|----------------|-----------------------------|----------------|-------|----------------|-------|--|
| Capacity | 1000VA/800W | | 1500VA/1200W | | 2000VA/1600W | | 3000VA/2400W | | 5000VA/4000W | | |
| | DISPLAY | | | | | | | | | | |
| Indicator Panel | LCD display | | | | | | | | | | |
| | AC MODE | | | | | | | | | | |
| Iutput Voltage | 145 - 275 Vac | | | | | | | | | | |
| Iutput Frequency | 45 - 65Hz | | | | | | | | | | |
| Output Voltage | 200 - 240 Vac | | | | | | | | | | |
| | INVERTER MODE | | | | | | | | | | |
| Output Voltage | 200V ± 5% | | | | | | | | | | |
| Output Frequency | 50 ± 1% Hz / 60 ± 1% Hz (Auto sensing) | | | | | | | | | | |
| Power Factor | 0.8 | | | | | | | | | | |
| Output Wave Form | Pure Sine Wave | | | | | | | | | | |
| Transfer Time | Typical 2-6ms, 10ms max | | | | | | | | | | |
| Overload Capability | 110% shut down within 60secs. | | | | | 120% shut down within 5secs | | | | | |
| Overcurrent Protection | System shuts down automatically within 20ms | | | | | | | | | | |
| | BATTERY | | | | | | | | | | |
| Battery Type | Sealed maintenance-free lead-acid batteries | | | | | | | | | | |
| DC Voltage | DC 24V | | | | DC 48V | | | | DC 48V | | |
| QTY. & Capacity Of Battery | 12V/7AH*2 | ----- | 12V/9AH*2 | ----- | 12V/7AH*4 | ----- | 12V/9AH*4 | ----- | 12V/9AH*4 | ----- | |
| External DC Voltage | ----- | 24VDC | ----- | 24VDC | ----- | 48VDC | ----- | 48VDC | ----- | 48VDC | |
| Charging Current | Long back up time models;5A or 10A (Adjustable) | | | | | | | | | | |
| Charging Period | Standard type models;6-8 hours recover to 90% capacity;Long backup time models;Depends on the batteries connected. | | | | | | | | | | |
| | PHYSICAL | | | | | | | | | | |
| Dimension (mm) | 441*445*88 | | | | | | | | 441*445*132 | | |
| Net Weight (kg) | 16.2 | 13.5 | 19.2 | 16 | 26.6 | 18.6 | 28.5 | 20.5 | 39 | 30.8 | |
| | ENVIRONMENT | | | | | | | | | | |
| Environment | Temperature 0°C ~ 40°C, Humidity 20% - 90% | | | | | | | | | | |
| Noise Level | ≤40dB(1m) | | | | | | | | | | |
| Altitude | ≤ 1000 m (Altitude exceeds 1000m,full power cannot reach) | | | | | | | | | | |
| | MANAGEMENT | | | | | | | | | | |
| USB & RS232 | Optional | | | | | | | | | | |
| | BATTERY PACK | | | | | | | | | | |
| Battery pack | 12V/7AH * 8 | | | | 12V/9AH * 8 | | | | 12V/9AH * 12 | | |
| Dimension(mm) | 441*445*88 | | | | | | | | 441*445*132 | | |
| Net Weight(kg) | 24.5 | | | | 27.4 | | | | 42.6 | | |

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