

RD4000 SS Series

1~3kVA online Tower UPS



Power range

1~3kVA



Operation

1P/1P, online double conversion



Applications

Government, Finance, IT,
Education, Transportation,
Broadcasting, Medical,
Energy, etc.



Characteristics

- High efficiency up to 96%.
- Output PF=1, high load adaptability.
- Wide input voltage range of 110~300Vac.
- Max charging current up to 12A.

| Model | SS001B | SS001L | SS002B | SS002L | SS003B | SS003L | | |
|--------------------------|---|--|--------------------------------|-----------|--------------------------------|-----------|----------------------------|-------------|
| Rate Power | 1kVA/1kW | 1kVA/1kW | 2kVA/2kW | 2kVA/2kW | 3kVA/3kW | 3kVA/3kW | | |
| Cold start | Default output 50/60Hz | | | | | | | |
| Input voltage range | 110~300VAC;100% load@176VAC~276VAC, 100%~50% power derating@110VAC~176VAC, 50% load@276VAC~300VAC | | | | | | | |
| Input power factor | ≥0.99 | | | | | | | |
| Frequency range | 50/60±5Hz(default), ±3Hz/±10Hz(settable) | | | | | | | |
| Output power factor | 1.0 | | | | | | | |
| Output | Rate voltage | 220/230/240VAC, 200/208VAC(PF=0.9) | | | | | | |
| | Load response | ≤5% (0% - 100% -0%) | | | | | | |
| | Recovery time | ≤40ms (0% - 100% -0%) | | | | | | |
| | Output THDu | ≤2% , Linear load ; ≤ 5% non-linear load according to IEC62040-3 | | | | | | |
| Transfer time | Main to BAT | 0 | | | | | | |
| | INV to BYP | 4ms | | | | | | |
| Crest factor | 3:1 | | | | | | | |
| Efficiency (normal mode) | Max 96% | | | | | | | |
| Noise (1 meter) | 43dB@<60%load, 47dB@>60%load | | <50dB@<60%load, <55dB@>60%load | | <50dB@<60%load, <55dB@>60%load | | | |
| | Normal | 102%~110%: 30mins, 110%~125%:10mins, 125%~150%: 30 seconds | | | | | | |
| Overload | Battery mode | 102%~110%: 1min, 110%~125%: 10 seconds, 125%~150%:5 seconds | | | | | | |
| | Bypass mode | <130%: long time, 130%~150%:10mins, 150%~180%:5 seconds | | | | | | |
| Battery | Model | 12VDC/7Ah | Depend on external battery | 12VDC/7Ah | Depend on external battery | 12VDC/7Ah | Depend on external battery | |
| | Quantity | 3 | | 6 | | 8 | | |
| | Max charging | 1A | 1-12A(settable) | 1A | 1-12A(settable) | 1A | 1-12A(settable) | |
| | Rate voltage | 36VDC | | 72VDC | | 96VDC | | |
| Standard | EPO, RS232 | | | | | | | |
| Option | SNMP card, AS400, USB, RS485, BMS by dry contact, Air filter | | | | | | | |
| Dimension ,W*D*H(mm) | 144*355*226 | | 190*400*328 | | 144*398*223 | | 190*400*328 | 144*398*223 |
| Weight (kg) | 10.5 | 4.5 | 20.5 | 6 | 25 | 6 | | |

Statement: The products will continue to be innovative and optimized, which may lead to asynchronized updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.