



SPY10KiRTB

Uniti Power Symphony

The Uniti Power Symphony 6kVA UPS series is engineered to support power loads of up to **10kVA/10kW**, it can be configured as a rack or tower in a space-efficient manner. Equipped with high power density and true online double conversion technology, it offers reliable power protection. Furthermore, it comes with future-proof connectivity that allows for seamless integration with the cloud.

Key Features:

- ✓ 10kVA / 10kW
- ✓ Unity power factor
- ✓ Pure sine wave
- ✓ Online double conversion
- ✓ Hot swappable batteries
- ✓ Small footprint
- ✓ High efficiency
- ✓ IoT monitoring software
- ✓ Easy setup and safe connection to the cloud
- ✓ Real-time UPS monitoring to enable business continuity and failure prevention

Peace of mind...

Uniti Power offers a standard six-year warranty on its Symphony UPS range and 2 years on the batteries. (UK only).



SPY10KiRTB

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| Model name | SPY10KiRTB | |
|----------------------------------|---|--|
| Power rating | VA/Watt | 10000VA/10000W |
| Efficiency | Double conversion mode | 95% |
| | ECO mode | 98% |
| Input performance | Voltage range | 160-275V 100% load, 110-160V derating to 50% load linearly |
| | Rated frequency | 50Hz/60Hz |
| | Frequency range | 40Hz-70Hz (45Hz-55Hz 54Hz-66Hz @ load>60%) |
| | PF | >0.995 |
| | THDI | <3% linear load, <5% non linear load |
| Input connection | L/N/PE hardware terminal connection | |
| Output performance | Rated voltage | 220/230/240V |
| | Rated frequency | 50Hz/60Hz |
| | Maximum PF | 1 |
| | Voltage accuracy | ±1% |
| | THDv | <1% linear load, <5% non linear load |
| | Transfer time | 0ms (10ms @ ECO->Inverter) |
| | Crest Ratio | Max 3:1 |
| | Overload (line mode) | 100% <load ≤105% continuous, 105% < load ≤125% for 10 minutes, 125 <load ≤150% for 30 seconds, >150% for 500ms |
| Output connection | Wiring/socket | L/N/PE hardware terminal connection |
| | Load segment control | Optional |
| Battery | Voltage | 240VDC |
| | Capacity (AH) | 20x12V/9Ah |
| | Backup time Typical value by default battery capacity, PF=1 | "2.1min 100% load, 8min 50% load" |
| Max external battery modules | 6 | |
| Charger | Charging current | 2A (0-4A adjustable) |
| | Recharging time | 3h to 90% |
| Other working mode | CVCF | Yes (derating to 60% load) |
| | Parallel | Optional (up to 3) |
| HMI (human-machine interface) | Display | Dot matrix LCD, rotatable manually |
| | Language | 10 Languages |
| | USB | USB 2.0 with HID |
| | RS232 | Yes (DB9) |
| | Dry in/out | 1 programmable dry in; 1 programmable dry out |
| | EPO | Yes |
| | Intelligent slot | Yes (for long card) |
| | Network card | Optional, NMC long card |
| | Modbus card | Optional, CMC/Modbus Long Card |
| | Dry contactor card | Optional, AS400 Long Card |
| | WLAN module | Optional, HDMI type |
| Physical performance | Dimension (WxDxH) mm | 5U height including 438x573x86.2 (power module, 2U), 438x593x129 (battery, 3U) |
| | IP protection level | IP20 |
| Environment | Operating temperature | 0-50°C (power derating to 50% @40-50°C) |
| | Relative Humidity | 0-95% |
| | Operating Altitude | 0-3000m (the load derating 1% every up 100m @1000-3000m) |
| | Acoustic Noise | <50dB @ typical load with battery fully charge |
| Certification | CE,IEC/EN 62040 | |
| EMI | Conduction/Radiation | C3 |
| EMS | ESD | IEC/EN 61000-4-2 |
| | RS232 | IEC/EN 61000-4-3 |
| | EFT | IEC/EN 61000-4-4 |
| | Surge | IEC/EN 61000-4-5 |
| Accessory | Input power cable | N/A |
| | Output power cable | N/A |
| | EBM cable | Yes (in EBM) |
| | USB cable | Yes |
| | RS232 cable | Optional |
| | Rail kit | Optional |
| | Tower feet | Yes |
| | Rack ear | Yes |
| Manual | Yes | |



1. Input/output terminals
2. Battery port
3. Parallel port
4. Intelligent slot
5. WLAN, USB, RJ45, dry in/out
6. RS232
7. IoT monitoring QR code