



## SPY10KiRTB Symphony

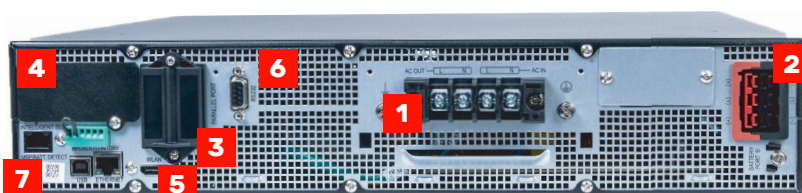
The Uniti PowerSymphony 10kVA UPS series is engineered to support power loads of up to 10kVA/10kW with high power density and true online double conversion. Configurable as rackmount or tower, it offers reliable power protection and comes with futureproof connectivity that allows for seamless integration with the cloud.



### Key Features:

- ◆ 10kVA / 10kW
- ◆ Unity power factor
- ◆ Pure sine wave
- ◆ Online double conversion
- ◆ 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

|                                    |                                                             |                                                                                                                 |
|------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 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 | *3.8min 100% load, 9.3min 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<br>(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                                                                                             |
|                                    | Ethernet port for IOT                                       | RJ45                                                                                                            |
| Physical performance               | Monitor software                                            | Winpower G2                                                                                                     |
|                                    | Dimension (WxDxH) mm                                        | 5U height including 438x573x86.2 (power module, 2U), 438x593x129 (battery, 3U)                                  |
| Environment                        | IP protection level                                         | IP20                                                                                                            |
|                                    | Operating temperature                                       | 0-50°C (power derating to 50% @40-50°C                                                                          |
|                                    | Nominal Battery Temperature                                 | 20-25°C                                                                                                         |
|                                    | Relative Humidity                                           | 0-95%                                                                                                           |
|                                    | Operating Altitude                                          | 0-3000m (the load derating 1% every up 100m @1000-3000m)                                                        |
| Certification                      | Acoustic Noise                                              | <50dB @ typical load with battery fully charged                                                                 |
| EMI                                |                                                             | CE, IEC/EN 62040                                                                                                |
|                                    | 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

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