



UPS for Wind Turbine Applications

Protecting your wind turbines around the globe since 2008 with an install base of 25000+. That's Certainty in a Connected World.

APC™ Smart-UPS™ On-Line provides high-density, double-conversion online power protection that helps customers with demanding power conditions such as wide input voltage window, extremely tight output voltage regulation, frequency regulation, internal bypass, and input power factor correction.

- Short-depth chassis available
- Custom firmware, pre-installed relay I/O card, hardwired back plate
- Battery options include standard, long life (up to 12 years), or no battery
- Battery packs designed with a handle to allow personnel to carry a battery in each hand, saving time when replacing and servicing the unit (select models)***

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Life Is On

Schneider
Electric

Wind Turbine Applications UPS Portfolio

3kVA Models

SURTD3KXLIUXI

- 2100W / 3000VA
- Double conversion online UPS
- 230V input / output
- Ships without battery
- 7-10 year design life



SURTD3KUXLI

- 2100W / 3000VA
- Double conversion online UPS
- 230V input / output
- Ships with separate APCRBC140 battery pack
- 7-10 year design life

SURTD3KUXLI-RM

- 2100W / 3000VA
- Double conversion online UPS
- 230V input / output
- Ships with APCRBC140 battery
- Rail kit included
- 7-10 year design life



SURTD3KUXLIX438

- 2100W / 3000VA
- Double conversion online UPS
- 230V input / output
- Ships with RBC44EB battery
- Long life batteries to reduce TCO
- 7-10 year design life

5kVA Models

SURT5000XLIX438

- 3500W / 5000VA
- Double conversion online UPS
- 230V input / output
- Ships with RBC44EB battery
- Long life batteries to reduce TCO
- Overvoltage protection
- Embedded I/O relay card
- 7-10 year design life



SURT5KSR3UXIX438

- 3500W / 5000VA
- Double conversion online UPS
- 230V input / output
- Short-depth
- Ships without APCRBC134 battery
- Long life batteries to reduce TCO
- Overvoltage protection
- Embedded I/O relay card
- 7-10 year design life

Smart-UPS 3kVA for Wind Turbine Applications

SKU technical specifications



| | SURTD3KXLIUXI | SURTD3KUXLI | SURTD3KUXLI-RM | SURTD3KUXLIX438 |
|------------------------------------|--|-------------|----------------|-----------------|
| Topology | Double conversion online | | | |
| Output | | | | |
| Output power capacity | 2100 Watts / 3000 VA | | | |
| Nominal output voltage | 230V | | | |
| Output voltage distortion | Less than 5% at full load | | | |
| Output frequency (sync to mains) | 50/60 Hz +/- 3 Hz (auto sensing) | | | |
| Waveform type | Sine Wave | | | |
| Output connections | (8) IEC320 C-13 (10A), (2) IEC320 C-19 (16A) | | | |
| Efficiency at full load | 90% | | | |
| Input | | | | |
| Nominal input voltage | 230V | | | |
| Input frequency | 45 ~ 65 Hz +/- 3 Hz (auto sensing) | | | |
| Input connections | IEC320 C-20 | | | |
| Input voltage range (full load) | 160V ~ 280V | | | |
| Batteries and runtime | | | | |
| Battery type | Maintenance-free, sealed lead-acid battery, leak proof | | | |
| Battery SKU | - | APCRBC140 | APCRBC140 | RBC44EB |
| Runtime (at full load / half load) | 14 mins / 34 mins | | | |
| Communications and management | | | | |
| Interface port(s) | Serial (RJ45), SmartSlot | | | |
| SmartSlot™ interface availability | Yes | | | |
| Control panel | LED indicators | | | |
| EPO | Yes | | | |
| Physical | | | | |
| Net HxWxD (mm) | 130 x 432 x 660 | | | |
| Net weight | 120.2 lbs. / 54.55 kgs. | | | |
| Color | Black | | | |
| Rail kit included | No | No | Yes | No |
| Environmental | | | | |
| Operating environment | 32 – 104 °F (0 – 40 °C) | | | |
| Operating relative humidity | 0 – 95% | | | |
| Operating elevation | 0-10000 feet (0-3000 meters) | | | |
| Storage temperature | 5 – 113 °F (-15 – 45 °C) short term storage | | | |
| Storage relative humidity | 0 – 95%, non-condensing | | | |
| Storage elevation | 0-50000 feet (0-15000 meters) | | | |
| Audible noise at 1 meter | <55 dBA | | | |
| Conformance | | | | |
| Regulatory approvals | IEC 60950 3rd Edition, EN50091-1-1, EN50091-2, VDE, CE, PCBC, C-TICK, GOST | | | |
| Standard warranty | 5-year UPS and battery | | | |

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Smart-UPS 5kVA for Wind Turbine Applications

SKU technical specifications




| | SURT5000XLIX438 | SURT5KSR3UXIX438 |
|------------------------------------|---|----------------------|
| Topology | Double conversion online | |
| Output | | |
| Output power capacity | 3500 Watts / 5000 VA | |
| Nominal output voltage | 230V | |
| Output voltage distortion | Less than 5% at full load | |
| Output frequency (sync to mains) | 50/60 Hz +/- 3 Hz (auto sensing) | |
| Waveform type | Sine Wave | |
| Output connections | Hardwired | |
| Efficiency at full load | 90% | |
| Input | | |
| Nominal input voltage | 230V | |
| Input frequency | 45 ~ 65 Hz +/- 3 Hz (auto sensing) | |
| Input connections | Hardwired | |
| Input voltage range (full load) | 160V ~ 280V | |
| Overvoltage protection | Yes (32A breaker) up to 200% ~460V | |
| Batteries and runtime | | |
| Battery type | Maintenance-free, sealed lead-acid battery, leak proof | |
| Battery SKU | RBC44EB | APCRBC134 |
| Runtime (at full load / half load) | 14 mins / 34 mins | |
| Communications and management | | |
| Interface port(s) | Serial (RJ45), SmartSlot | |
| SmartSlot™ interface availability | Yes | |
| Control panel | LED indicators | |
| EPO | Yes | |
| Physical | | |
| Net HxWxD (mm) | 130 x 432 x 660 | 133 x 432 x 560 |
| Net weight | 120.2 lbs. / 54.55 kgs. | 40 lbs. / 18.18 kgs. |
| Color | Black | |
| Rail kit included | No | |
| Environmental | | |
| Operating environment | 32 – 104 °F (0 – 40 °C) | |
| Operating relative humidity | 0 – 95% | |
| Operating elevation | 0-10000 feet (0-3000 meters) | |
| Storage temperature | 5 – 113 °F (-15 – 45 °C) short term storage | |
| Storage relative humidity | 0 – 95%, non-condensing | |
| Storage elevation | 0-50000 feet (0-15000 meters) | |
| Audible noise at 1 meter | <55 dBA | |
| Conformance | | |
| Regulatory approvals | VDE, UL, CE (class A emissions & immunity), FCC, C-TICK | |
| Standard warranty | 5-year UPS and battery | |

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