



# 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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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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Learn more today!

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