



Server



Telecom



Industrial



Network



Hospitality



Medical

AMB 3 – 6 kVA Li-Ion Online UPS Series

- True dual zero conversion
- 60A fast battery charging
- Input power factor correction
- Pure sine wave inverter
- Generator compatibility
- Charging current can be selected through LCD
- Compatible with power supply voltage or generator power supply
- Optional MPPT or PWM solar charger
- Parallel operation of multiple units
- Tower and RT Type Both are available

AMB 3 – 6 kVA Li-Ion Online UPS Series

> SPECIFICATION

Model		AMB-ON-Li-Ion-3K	AMB-ON-Li-Ion-6K
Capacity		3K/3000W	6K/5000W
Parallel function		Multiple single machine parallel operation	
INPUT			
Rated voltage		200/208/220/230/240 VAC	
Voltage range		110~160Vac 3% at 50% load ; 160~300 VAC 3% at 100% load	
Frequency range		40Hz~70Hz	
Power factor		≥ 0.99@ Nominal voltage (100% load)	
(THDi)		≤ 5%@ Nominal input voltage	
OUTPUT			
Output voltage		220Vac or 230Vac	
Voltage regulation (Battery mode)		1%	
Frequency range (synchronous range)		57Hz~63Hz or 47~53Hz	
Frequency range (battery mode)		60Hz 0.1 HZ or 50Hz 0.1 Hz	
Load crest		3:1	
THD		≤ 2 % THD (linear load) ； ≤ 4 % THD (non-linear load)	
transfer time	AC to battery mode	0	
	Inverter to bypass	<4 ms (typical)	
	ECO to battery mode	8 ms (typical)	
Waveform (battery mode)		Pure sine wave	
EFFICIENCY			
Communication mode		90%@fully charged battery	
Ecological model		≥ 96%@fully charged battery	
Battery mode		89%	90%
BATTERY			
Battery type		48 VDC(lithium, lead-acid)	
Scope of work		40VDC-60VDC	
Charging method		3-Step	
Charger current		10-60A (maximum), adjustable through LCD	
Typical charging time		Restore to 90% capacity in 1.5 hours	
PHYSICS			
Unit size, DxWxH (mm)		420X440X88	
weight (kg)		13	15
ENVIRONMENT			
Humidity		20-95% relative humidity @0-40°C (non-condensing)	
Noise		< 50dB	< 55dB
MANAGE			
Intelligent RS-232, USB		Supports Windows 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix, and MAC	
SNMP protocol		Power management from SNMP manager and web browser	
STANDARD			
EMC/Security		CE (EMC: EN62040-2 C2) is suitable for high-voltage models, FCC (Class A) is suitable for low-voltage models, and the battery pack complies with UI1973	

all specifications are subject to change without notice. C 2020 Ambtronic LLC All Trademark are the property of their owners.

Rack-mounted lithium battery



Product Features

- **Long cycle life:** LiFePO4 compared to lead-acid batteries, over 20 times the cycle life and over 5 times the float charging life, reducing repeated investment and costs for owners. 10 years life span.
- **Lightweight:** 40% of the weight of lead-acid batteries; Easy to install.
- **High energy density:** Compared to lead-acid batteries, it can accommodate twice the energy and has a higher discharge rate; At the same time, the energy retention rate is high.
- **Wide temperature range:** -20 °C 60 °C
- **Super safety:** chemical composition of Lithium iron phosphate can reduce explosion and fire caused by overcharge or short circuit.

Model		48V50Ah	48V100AH	48V150AH	48V200AH
Electrical characteristics	Nominal voltage	48V			
	Nominal Capacity	50Ah(C5,25℃)	100Ah(C5,25℃)	150Ah(C5,25℃)	200Ah(C5,25℃)
	energy	2400Wh	4800Wh	7200Wh	9600Wh
	Cycle number	≤2500@0.2C100%DOD ~3,840 Wh (80% DOD)			
	Self-discharge rate	<3%			
	Charging efficiency	100%@0.2C			
	Discharge efficiency	96-99%@1C			
Standard charging	Charging Voltage	54.8±0.2V			
	Charging mode	Charge 0.2C to 54.8V, and then adjust the charging current to 0.02C 20A			
	Charging current	30A	50A		
	Maximum charging current	55.5V±0.2V			
	Charging off voltage				
Standard Discharge	persistent current	50A	100A		
	Maximum pulse current	100A(<3S)	150A(<3S)		
	Discharge off voltage	37.5V			
ambient condition	Charging temperature	0-45℃@60±25% Relative temperature			
	discharge temperature	-20℃-60℃@@60±25% Relative temperature			
	Storage temperature	0-40℃@60±25% Relative temperature			
mechanical parameters	Cell assembly method	3.2V50AH-15S1P	3.2V50AH-15S2P	3.2V50AH-15S3P	3.2V50AH-15S4P
	shell	3U	4U	6U	6U
	size mm (W*D*H)	482*350*132	482*430*177	482*430*270	482*430*270
	weight(Kg)	20.5	38	53	77
	Terminal	50A Terminal	100A Terminal		
	agreement (Optional)	RS485	RS485/CAN		
	BMS	15S100A			

*Product specifications are subject to change without further notice.