

The Lite-On AC Uninterruptible Power Supply (UPS) provides clean, reliable AC power to mission-critical devices such as networks, computers, or servers.

Key Features

- True double-conversion online UPS
- DSP technology
- Output power factor 0.8
- Active input power factor correction of 0.99
- Adjustable charging current via LCD or software (0.5A – 6A)
- Wide input voltage range (110 – 300 VAC)
- 50/60 Hz frequency converter mode
- Emergency Power OFF Function (EPO)
- Maintenance bypass available
- SNMP / USB / RS-232 communications



Specifications

	UP-3602	UP-3103
Electrical Input		
Total Power	6kVA / 4.8kW	10kVA / 8kW
Phase	1-phase 2 wires with earth ground	
Nominal Voltage	208V / 220V / 230V / 240V	
Voltage Range	110 – 300VAC at 50% Load; 176 – 300VAC at 100% Load	
Frequency Range	46Hz – 54Hz or 56Hz – 64Hz	
Power Factor	≥ 0.99 at 100% Load	
Electrical Output		
Nominal Voltage	208V / 220V / 230V / 240V	
Voltage Regulation	± 1%	
Frequency Range AC Mode	50Hz ± 4Hz or 60Hz ± 4Hz	
Frequency Range Battery Mode	50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
Load Crest Factor	3:1 (maximum)	
Voltage Distortion (THDv)	< 3% (Linear load), < 10% (Non-linear load)	
Transfer Time (bypass to line mode)	0 mS	
Transfer Time (line Mode to bypass)	0 mS	
Waveform	Pure Sinewave	

Lite-On Power System Solutions USA
3001 Summit Ave, Suite 400, Plano, TX 75074
+1 (469) 331-9838
www.liteon-pss.com
email: pss.sales@liteon.com

Lite-On Power System Solutions Taiwan
No. 90, Chien 1 Rd., Chung Ho Dist, New Taipei City 23585
+886 -2-2226181 ext 5026
www.liteon-pss.com
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Specifications

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Electrical Efficiency		
AC Mode	89%	90%
Battery Mode	88%	89%
Indicators		
LCD Panel	UPS status, Load level, Battery level, Input / Output voltage, Discharge timer, and Fault conditions	
Alarm		
Battery Mode	Audio alarm every 4 seconds	
Low Battery	Audio alarm every second	
Overload	Audio alarm twice every second	
Fault	Continuous Audio alarm	
External Battery Pack (BK-1181-010M)		
Battery Type	12V / 9AH	
Quantity	20 pcs	
Typical Recharge Time	4 hours to recover to 90% capacity	
Backup Time	> 8 mins @ 20 pcs batteries	> 4 mins @ 20 pcs batteries
Charging Current	Default: 2.0A	
Floating Charge Voltage	13.65 V/pc (floating charge with constant voltage)	
Physical (UPS)		
Dimensions (H x W x D)	3.4" x 17.2" x 22.8" (86.5 mm x 438 mm x 580 mm)	3.4" x 17.2" x 26" (86.5 mm x 438 mm x 660 mm)
Net Weight	33 lbs (15 kg)	39.7 lbs (18 kg)
Form Factor	2U	
Physical (Battery)		
Dimensions (H x W x D)	5.2" x 17.2" x 22.8" (131 mm x 438 mm x 580 mm)	
Battery Pack Net Weight	143.3 lbs (65 kg)	
Form Factor	3U	
Environment		
Acoustic	Less than 55dBA @1 m	Less than 58dBA @1 m
Operating Temperature	0°C – 40°C	
Storage Temperature	-15°C – 60°C (UPS), 0°C – 35°C (Battery Bank)	
Humidity	0% – 95% relative (non-condensing)	
Altitude	< 1000 m	

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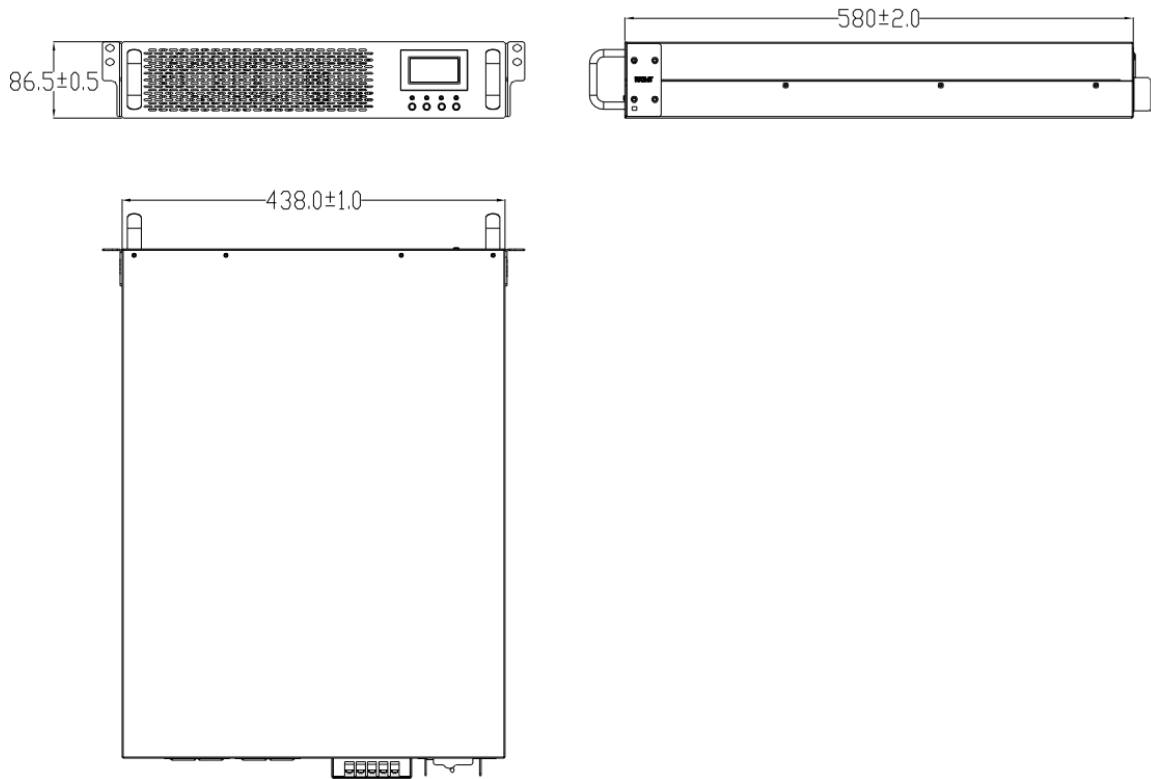
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Specifications

	UP-3602	UP-3103
General		
Approvals	CE	
Mounting Hardware	2 mounting ear and 8 screws are included	
Warranty	2 years (UPS) / 1 year (Battery bank)	

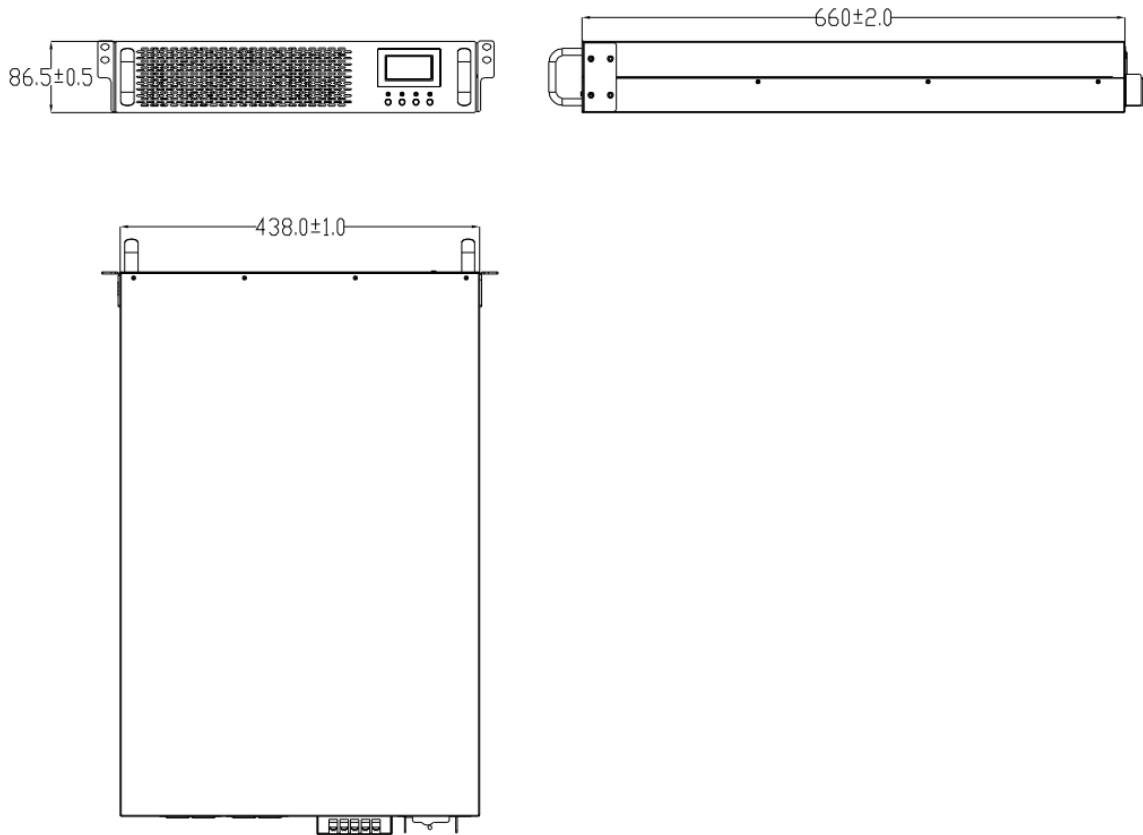
Mechanical

UP-3602



units in mm

UP-3103



units in mm

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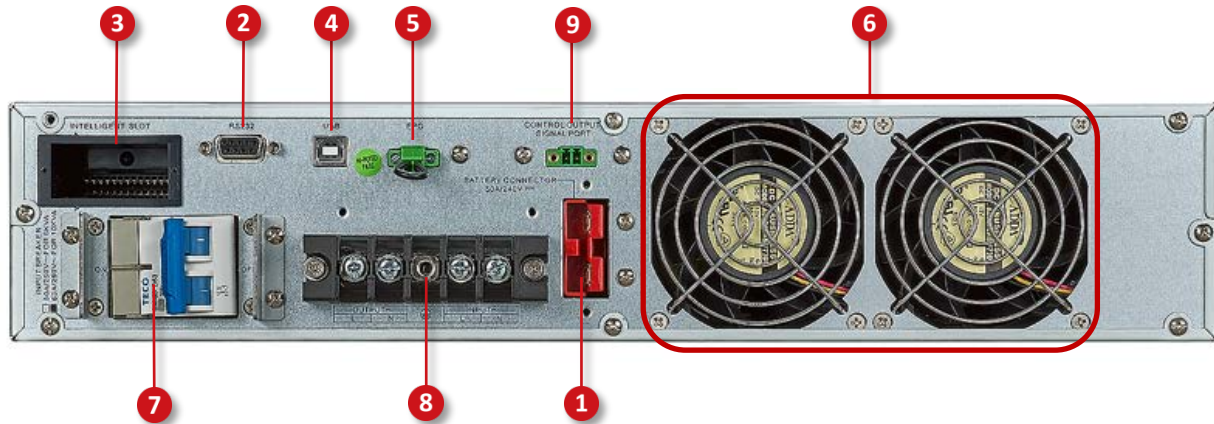
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Front Panel



1	LCD Panel	Mode indicator panel
2	LED indicators	LED indicators show the working status of the UPS
3	ON / ENTER	<ul style="list-style-type: none"> Turn on the UPS: press and hold this button longer than 0.5 second to turn on the UPS Enter Key: press to confirm the selection in the menu
4	MUTE / DOWN	<ul style="list-style-type: none"> Mute the alarm: Press and hold this button longer than 0.5 second to mute the buzzer Down key: Press this button to display previous selection in setting menu
5	TEST / UP	<ul style="list-style-type: none"> Battery test: press and hold this button longer than 0.5 second to test the battery while in AC mode, or CVCF mode UP key: press this button to display next selection in setting menu
6	OFF / ESC	<ul style="list-style-type: none"> Turn off the UPS: press and hold this button longer than 0.5 second to turn off the UPS ESC key: press this button to return to last menu in setting menu

Rear Panel



1	External battery connector	Connector for one or more battery modules
2	RS-232 communication port	The serial port may be used to connect UPS to a workstation or server
3	Intelligent slot	Removable cover panel to install optional accessories to remotely control and monitor UPS system
4	USB communication	USB port may be used to connect UPS to a workstation or server
5	EPO connector	Emergency Power Off connector
6	Cooling fans	Cools and ventilates the power module
7	Input circuit breaker	Input circuit breaker
8	Terminals (shown without cover)	Input / Output terminals
9	EMBS port	External maintenance bypass switch port

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System Components

Component	Model Number	Description
ALTOCUM 6kVA UPS	UP-3602-301M	6kVA rack UPS
ALTOCUM 10kVA UPS	UP-3103-301M	10kVA rack UPS
Battery Pack for ALTOCUM UPS	BK-1181-010M	Rack Battery Pack for ALTOCUM (VRLA battery 20 pcs)
Accessories		
SNMP card	CM-12EU-010U	SNMP web card
Rail kit (basic type)	UZ-M001-000U	Basic type rail kit (700mm)
Manual bypass switch	UZ-E001-000M	Maintenance bypass switch for 6kVA/10kVA (63A)



Innovative Power Management Solutions for Critical Infrastructure

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