

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
- Output power factor 0.9
- User-friendly, adjustable LCD display
- Rack / Tower design
- 50/60 Hz frequency converter mode
- ECO mode for energy savings
- Emergency Power OFF Function (EPO)
- DSP technology
- Active input power factor correction 0.99
- SNMP / USB / RS-232 communications



Specifications

	UP-2602	UP-2103
Electrical Input		
Total Power	6kVA / 5.4kW	10kVA / 9kW
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	200 / 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), < 4% (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 Avenue, 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
email: pss.sales@liteon.com

Specifications

	UP-2602	UP-2103
Electrical Efficiency		
AC Mode	90%	90%
Battery Mode	88%	88%
ECO Mode	96%	96%
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-1181-010N)		
Typical Recharge Time	4 hours to recover to 90% capacity	
Backup Time	> 6 minutes	> 2.5 minutes
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)	5.2" x 17.2" x 23.9" (131 mm x 438 mm x 606 mm)	5.2" x 17.2" x 27" (131 mm x 438 mm x 686 mm)
Net Weight	44.1 lbs (20 kg)	51.8 lbs (23.5 kg)
Form Factor	3U	
Physical (Battery)		
Dimensions (H x W x D)	5.2" x 17.2" x 23.9" (131 mm x 438 mm x 606 mm)	
Battery Pack Net Weight	143.3 lbs (65 kg)	
Form Factor	3U	
Environment		
Acoustic	58dBA at 1 m	60dBA at 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	

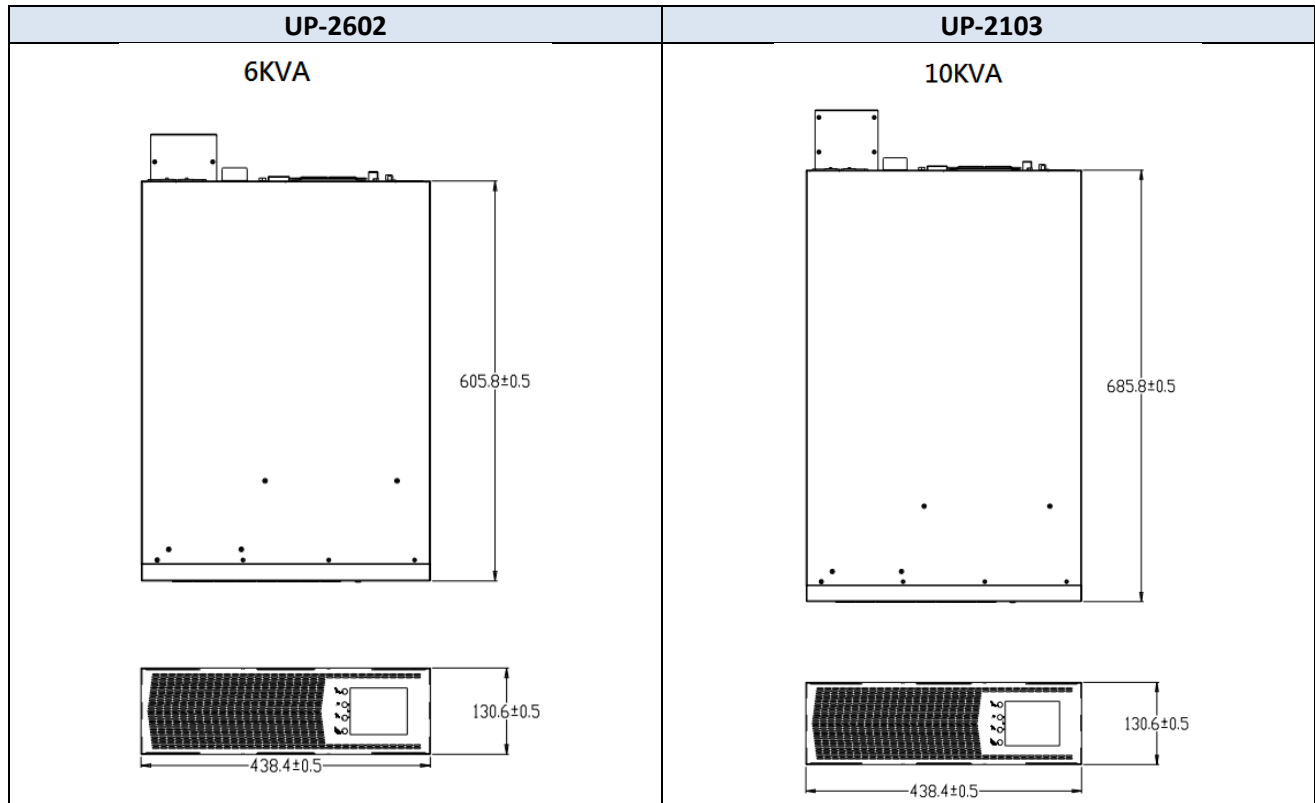
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Specifications

	UP-2602	UP-2103
General		
Approvals	UL approval for Canada and US	
Mounting Hardware	Rail kit	
Warranty	2 years (UPS) / 1 year (Battery bank)	

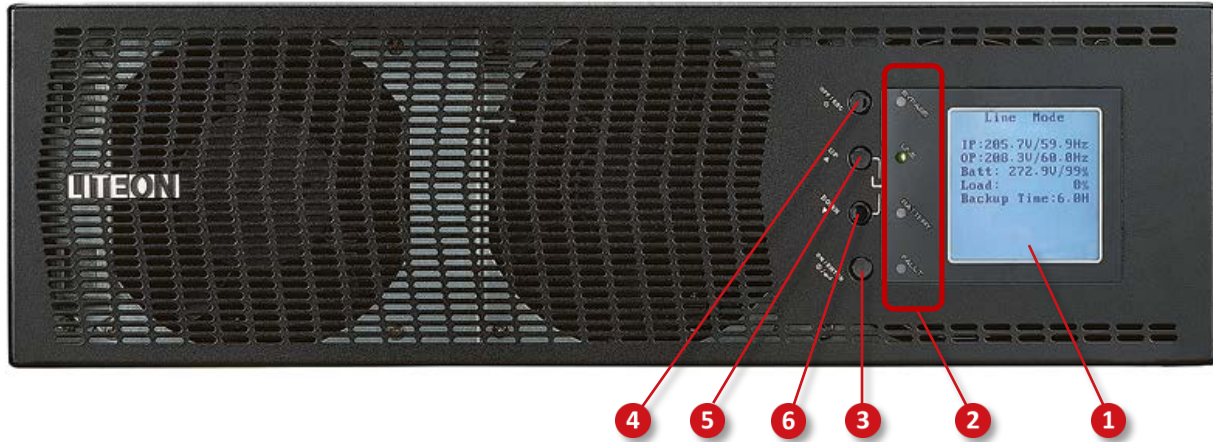
Mechanical



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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"> Press this button to turn on the UPS Or press to confirm the selection in the menu
4	OFF / ESC	<ul style="list-style-type: none"> Press this button to turn off the UPS Or press to return to last menu
5	UP	<ul style="list-style-type: none"> Press this button to select the upper item in the menu Or previous page in the screen Or increase the number in the setting
6	DOWN	<ul style="list-style-type: none"> Press this button to select the lower item in the menu Or next page in the screen Or decrease the number in the setting

Rear Panel



1	RS-232 communication port	Female DB9 serial port to connect UPS to a workstation or server
2	USB communication port	USB port to connect UPS to a workstation or server
3	EPO connector	Emergency Power Off connector
4	Intelligent slot	Removable cover panel to install optional accessories to remotely control and monitor UPS system
5	EMBS port	External Maintain Bypass Switch port
6	Cooling fan	Cools and ventilates the inside of the power module
7	External battery connectors	Connectors for one or more battery modules
8	Input circuit breaker	Input circuit breaker
9	Terminal cover	Terminal cover
10	IEC outlets	IEC outlets
11	IEC outlet breakers	The breakers for the IEC outlets

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System Components

Component	Model Number	Description
ALTOCUM X9 6kVA UPS	UP-2602-201N	6kVA rack/tower UPS without isolation transformer
ALTOCUM X9 6kVA UPS with ISO	UP-2602-101N	6kVA rack/tower UPS with isolation transformer
ALTOCUM X9 10kVA UPS	UP-2103-201N	10kVA rack/tower UPS without isolation transformer
ALTOCUM X9 10kVA UPS with ISO	UP-2103-101N	10kVA rack/tower UPS with isolation transformer
Battery Pack for ALTOCUM X9	BK-1181-010N	Rack/tower Battery Pack for ALTOCUM X9 (VRLA battery 20 pcs)
Accessories		
SNMP card	CM-12EU-010U	SNMP web card
Rail kit (Basic type)	UZ-M001-000U	Basic type rail kit (700 mm)
Rail kit (Enhanced type)	UZ-M002-000U	Enhanced type rail kit for 10kVA ISO TX

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