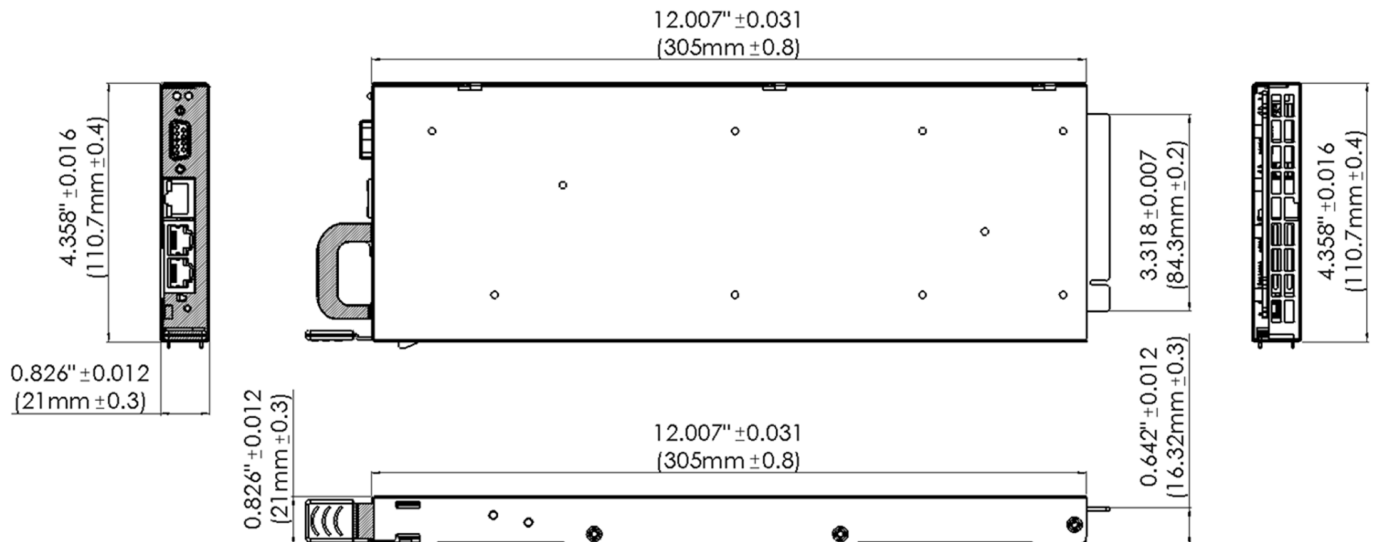


The Power Shelf Controller is an integral part of the Lite-On DC UPS system. A fully-configured DC UPS system consists of a power shelf connected to a Backup Battery System (BBS) for uninterruptible power backup protection. On the front of the power shelf is a slot for the Power Shelf Controller along with multiple slots for Power Supply Units (PSUs). The BBS is a separate shelf with multiple slots for Li-ion Backup Battery Units (BBUs).

- Monitors up to 10 PSUs and 8 BBUs
- Hot-swappable for easy installation and maintenance
- Configurable alarm and reminder notifications
- Real-time monitoring capabilities for power shelves and battery backup system
- Real-time alarm logging and delivery
- SNMP (v2c, v3), Web server, RestAPI, and IPMI support for remote management
- Secure web interface
- Efficiency management system for optimizing power
- 10/100/1000 Ethernet port support IPv6, SNMPv3
- CAN communication port



Power Shelf System Components

Component	Model Number	Description	
18kW Power Shelf and matching Power Supply Unit	PF-2183-1L1M	Power Shelf	3-Phase includes 1 Power Shelf Controller slot and 5 PSU Module slots
	PS-2452-1L1M	Power Supply Unit (PSU)	3-phase, 380VAC/480VAC Input, 12.5V / 360A Output
22.5kW Power Shelf and matching Power Supply Unit	PF-2223-1L1M	Power Shelf	3-Phase includes 1 Power Shelf Controller slot and 10 PSU Module slots
	PS-2252-6Q-LF	Power Supply Unit (PSU)	Single phase, 200 – 240VAC Input, 12.5V / 200A Output
12.5kW Power Shelf and matching Dual-input Power Supply Unit	PF-2123-1LDM	Power Shelf	12.5KW (5+1), 3 Phase, 5-wire connection, 2.5U Power Shelf with 6 pcs power module slots
	PF-2123-1LDN	Power Shelf	12.5KW (5+1), 3 Phase, 4-wire connection, 2.5U Power Shelf with 6 pcs power module slots
	PS-2252-1QDU	Power Supply Unit (PSU)	Single phase, 200 – 240VAC Dual-Input, 12.5V / 200A Output
Battery Backup System and matching Battery Backup Unit	BP-1442-01X	21-inch, 4-slot Battery Backup System (BBS)	
	BM-1112-01X	Li-ion Battery Backup Unit (BBU)	
Power Shelf Controller	CM-12CP-010U	Manages the Power Shelf and Li-ion Battery Backup System	
Site Management Controller	CP-13EC-010U	Rack management and control	
21" OCP Rack	KT-2141-121	21-inch Open Compute Project (OCP) -compliant rack	

DC UPS System Block Diagrams

