

The BK-1151-010U is an Extended Battery Module (EBM) with a 240VDC link voltage that is compatible with the VPOC system. The EBM extends the VPOC run-time up to 3.5 minutes at 10kW. The EBM is recharged by the VPOC when system AC power is active.

Key Features

- Extends VPOC run-time
- 10kW DC Output
- Quiet, fanless design
- 3U rack-mounted module
- Side-mounted handles for transport
- Battery temperature sense capability
- Integrated circuit breaker
- Touch-safe connectors



Specifications

Electrical	
Maximum Output Power	10kW
Output	240VDC, 50A
Communications	Battery temperature sensor communicates with VPOC
Circuit Breaker Rating	500V, 63A
Physical	
Dimensions (H x W x D)	4.96" x 17.52" x 24.64" (126 mm x 445 mm x 625.8 mm)
Weight	144.58 lbs (65.58 kg)
Form Factor	3U
Environment	
Operating Temperature	Discharge: -15°C – 50°C; Charge: 0°C – 40°C Temperature change rate 5°C /min to 10°C /h
Storage Temperature	-15°C – 40°C
Humidity	0% – 95% relative (non-condensing)
Altitude	Operating: 0 m – 3000 m, Storage: 0 m – 15000 m
General	
Approvals	UL1989
Mounting Hardware	2 mounting brackets and 6 screws are included
Warranty	2 Years

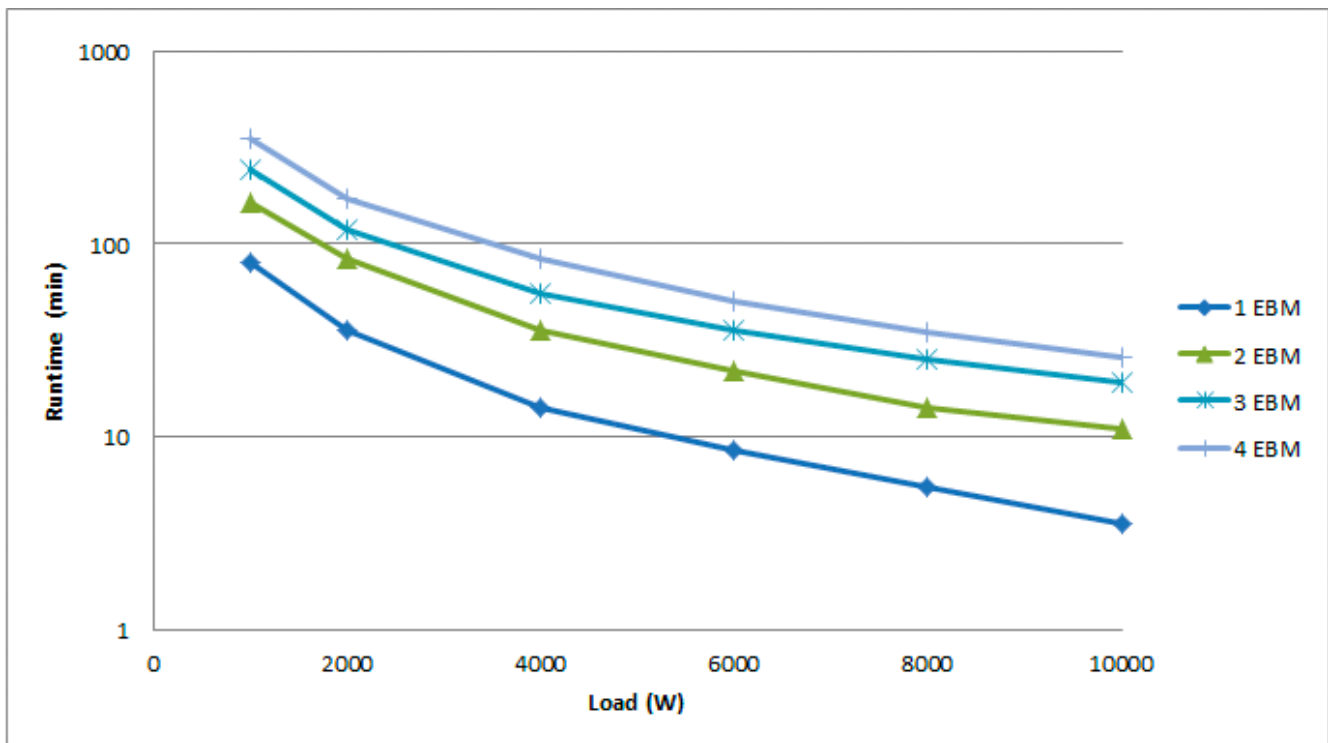
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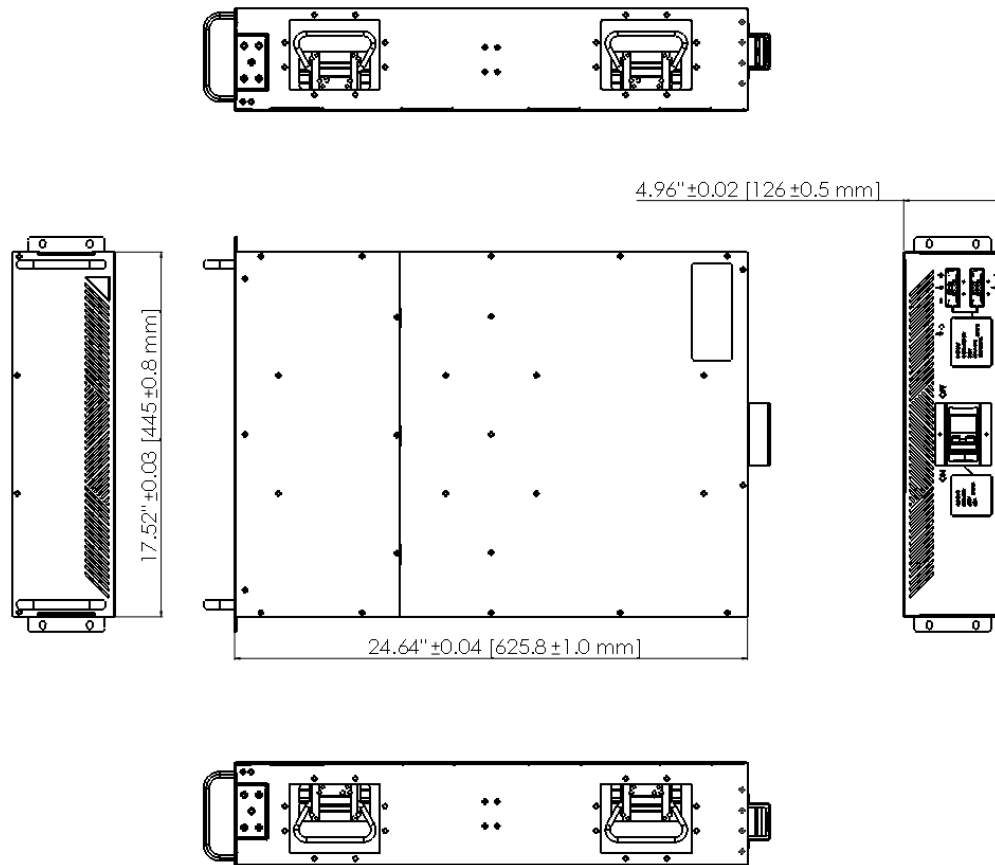
Extended Runtime Values

The table and chart below show the runtime values for 1 to 4 Extended Battery Modules across a load between 1 kW and 10 kW.

	1kW Load	2kW Load	4kW Load	6kW Load	8kW Load	10kW Load
1 EBM	1 h, 20 m	36 m	14 m	8.5 m	5.5 m	3.5 m
2 EBM	2 h, 45 m	1 h, 23 m	36 m	22 m	14 m	11 m
3 EBM	4 h, 5 m	1 h, 59 m	56 m	36 m	25 m	19 m
4 EBM	5 h, 50 m	2 h, 51 m	1 h, 23 m	51 m	35 m	26 m



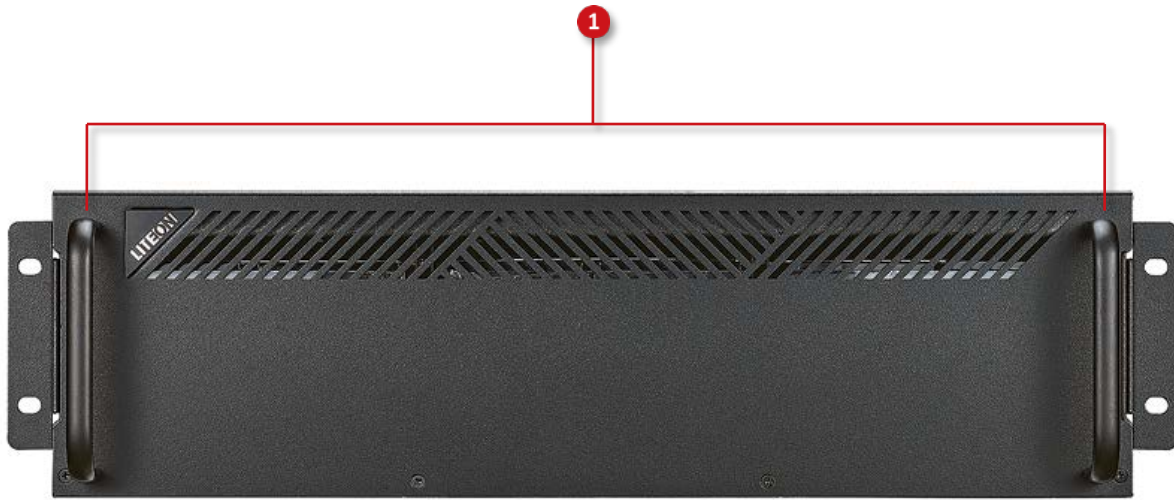
Mechanical



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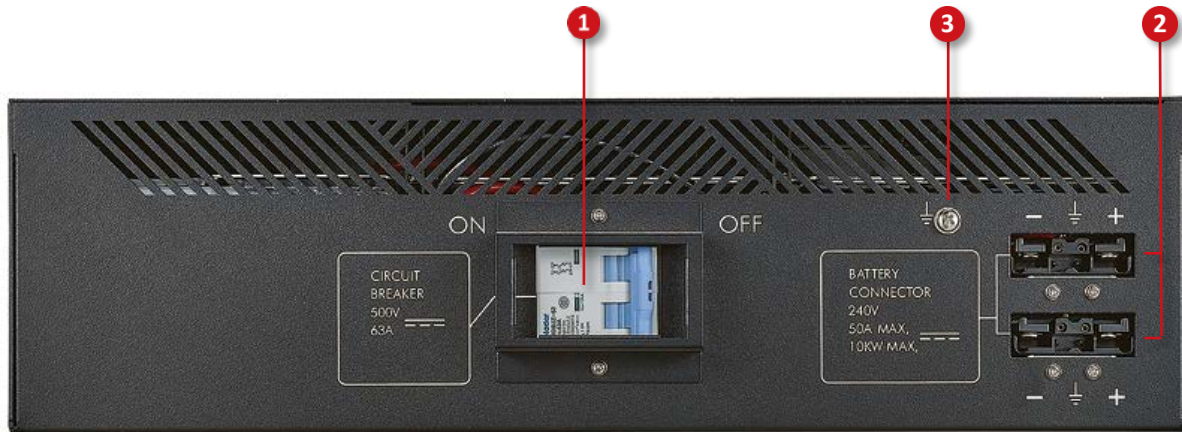
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Front Panel



1	Handles	Battery module front handles
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Rear Panel

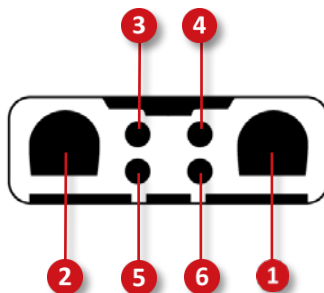


1	Battery circuit breaker	Battery module DC circuit breaker
2	Battery power connector	Input / Output Power connector
3	Ground screw	Safety ground terminal point

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Power Connectors

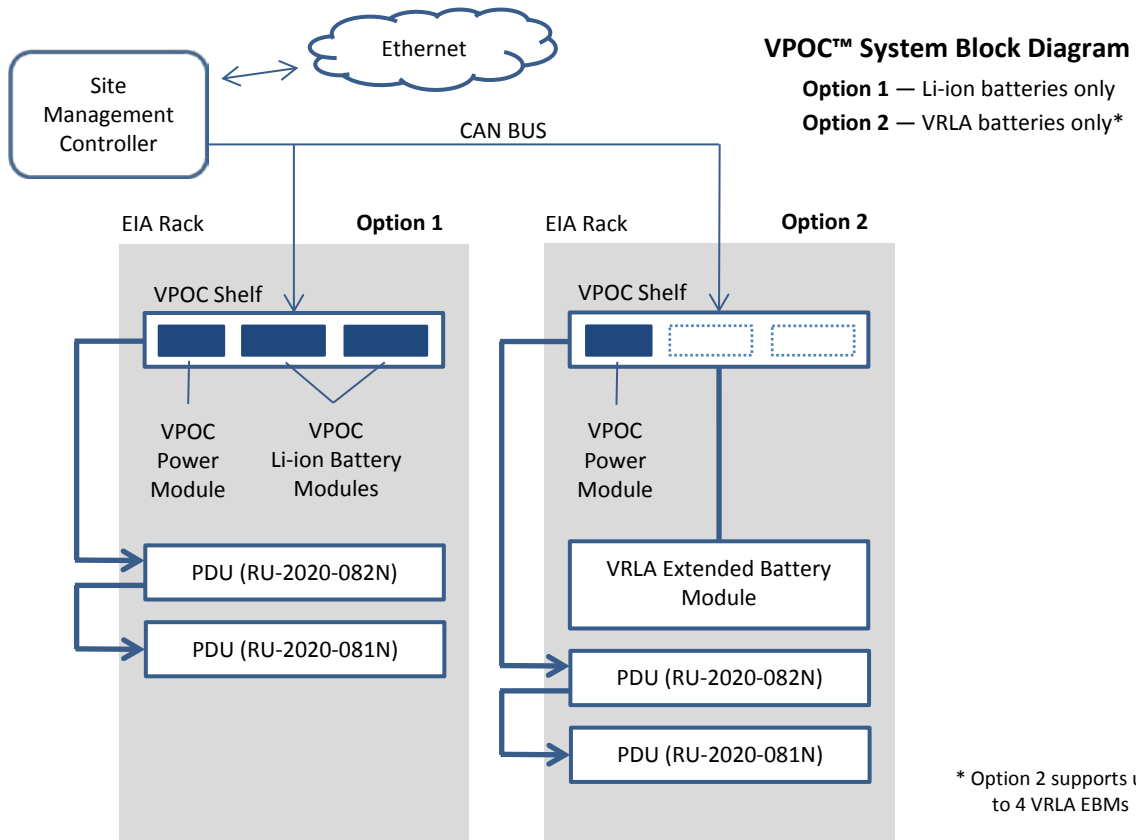


1	Battery input +	Battery Power Connections
2	Battery input -	Battery Power Connections
3	Ground	Safety ground
4	Ground	Safety ground
5	Battery Temperature	Battery temperature signal from external battery module used by VPOC for charging
6	Battery Temperature	Battery temperature signal from external battery module used by VPOC for charging

VPOC™ System Components

The VPOC™ system provides a comprehensive power management and battery backup capability based on multiple building blocks with configuration flexibility to suit specific power, size, and run-time requirements. The table below provides additional information on the different building blocks available to create a customized power solution. Please visit our website for more in-depth information or contact your local Lite-On PSS representative for support.

Component	Model Number	Description
VPOC™ Shelf	VP-3103-111U	1U VPOC™ Power Shelf with 3 slots: <ul style="list-style-type: none"> • VPOC™ Power Module slot (1) • VPOC™ Li-ion Battery Module slots (2)
VPOC™ Power Module	VM-3101-111U	10kW Power Module
VPOC™ PDU	RU-2020-082N	1U or 0U Cabinet PDU with 20A fuse and IEC320-C13 receptacles (6) plus IEC320-C19 receptacles (2)
	RU-2020-081N	1U or 0U expansion PDU with 20A fuse and IEC320-C13 receptacles (6) plus IEC320-C19 receptacles (2)
VPOC™ Li-ion Battery Module	BM-1502-010U	2.5 minute run-time at 5kW (2 battery units provide 2.5 minutes at 10kW)
VRLA Extended Battery Module	BK-1151-010U	3U EBM equipped with VRLA batteries for 3.5 minutes run-time at 10kW
Site Management Controller	CP-13EC-010U	Rack management and control
19" Rack	KT-1942-10-1	19-inch EIA rack



* Option 2 supports up to 4 VRLA EBMs



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