

Virtual Power On Call (VPOC™) is an innovative back-up power solution that uses a fraction of the space and cost of conventional Uninterruptable Power Systems. The highly-efficient 10kW VPOC™ Power Module and Li-ion battery modules easily slide into the 1U VPOC™ Power Shelf to complete the system. The VPOC manages transition between normal (AC) operation and battery-backup mode (DC) while providing valuable system information through its front panel and communication interfaces.

Key Features

- 10kW Output Power – AC and DC
- Single-phase AC input
- High-density modular design
- 99% Efficiency during AC or DC operation
- Full protection with internal AC bypass
- Communication via shelf ports – CAN, USB, RS232



Specifications

Electrical (AC)	
Input Voltage, nominal	208VAC / 220VAC / 230VAC / 240VAC
Input Frequency	50 / 60 Hz, auto sensing
Input Power Factor at Full Load	> 0.99
Input Current THD at Full Load	< 3%
Output Power	10kW
Output Voltage, nominal	208VAC / 220VAC / 230VAC / 240VAC or 240VDC
Output transition AC mode to DC when AC is lost	< 4ms
Output Efficiency AC Mode	> 99% at 80% load
Output Efficiency DC Mode	> 99%
Communication Ports	USB, CAN, RS232
Communication Protocol	ModBus
Electrical (Battery)	
DC Link Voltage	240VDC
Max Charging Current	1.85A
Recharge Time to 90% (full discharge into full load)	2 Li-ion Modules: BM-1502-010U – < 2hr to 90% capacity
	EBM: BK-1151-0001 (lead-acid battery) – < 2.5hr to 90% capacity

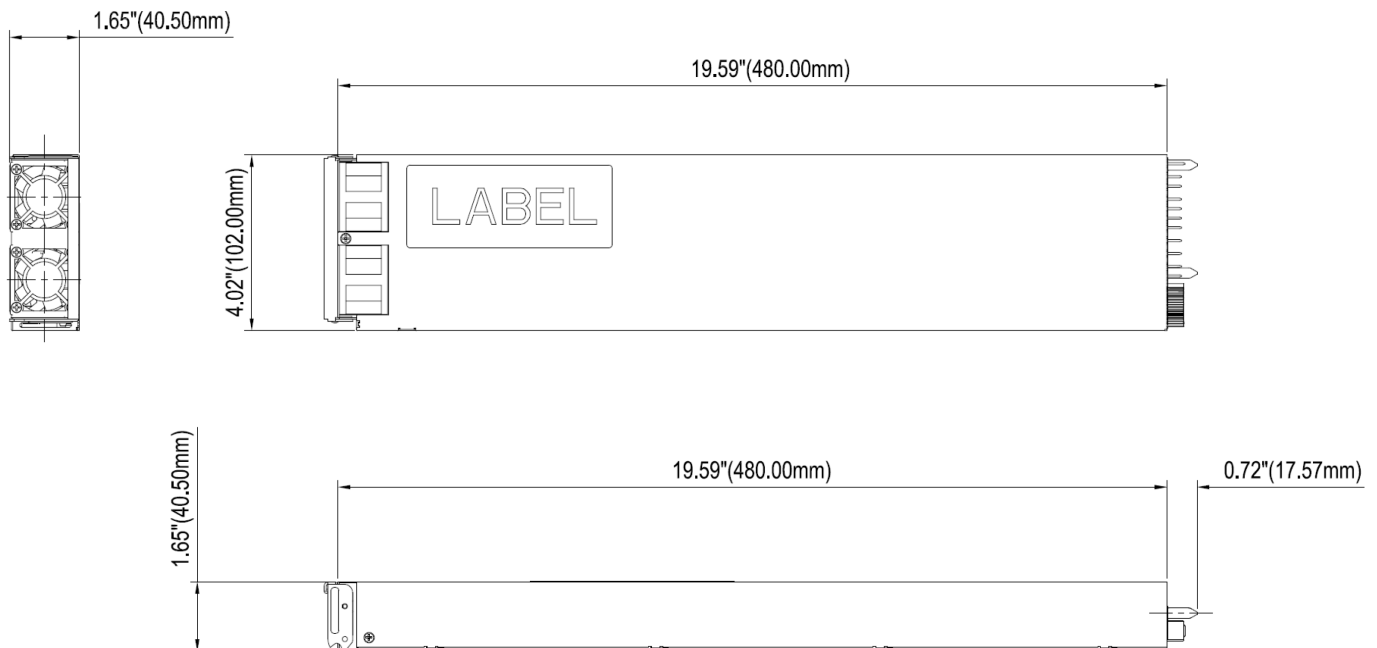
Lite-On Power System Solutions USA
3001 Summit Avenue, Suite 400, Plano, TX 75074
+1 (469) 331-9838
www.liteon-pss.com
email: pss.sales@liteon.com

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

Specifications

Physical	
Dimensions (H x W x D)	1.65" x 4.02" x 19.5" (40.5 mm x 102 mm x 480 mm)
Weight	4.96 lbs (2.25 kg)
Form Factor	1U
Environment	
Temperature	Operating: 0°C – 45°C, Storage: -20°C – 70°C
Humidity	0% – 95% relative (non-condensing)
Altitude	Operating: 0 m – 3000 m, Storage: 0 m – 15000 m
Acoustic	60dB at 1 m
EMI	CISPR Pub 22 Class A
General	
Approvals	UL60950-1, IEC60950-1 International, GB4943, RoHS
Warranty	2 years

Mechanical



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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-3103-111U	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)
5kW VPOC™ Li-ion Battery Module	BM-1502-010U	2.5 minute run-time at 5kW (2 battery units provide 2.5 minutes at 10kW)
4kW VPOC™ Li-ion Battery Module	BM-1402-010U	2.5 minute run-time at 4kW (2 battery units provide 2.5 minutes at 8kW)
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

