

Portable LiFePO4 2560 Wh/2000 W 120 VAC generator

LEON[®] SB LBACG-2560

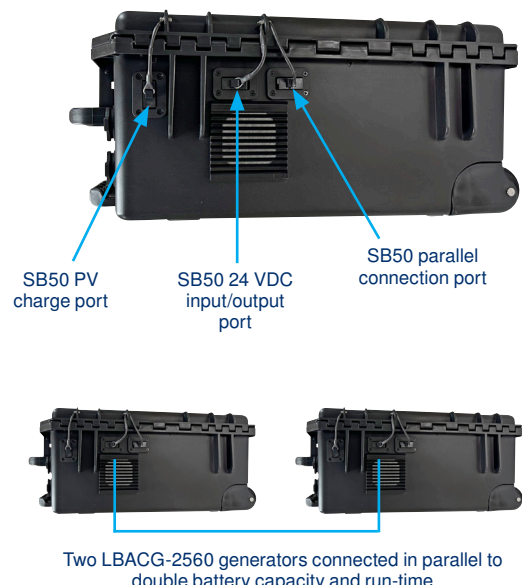
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Technetix' LBACG-2560 is a green alternative to portable gas or natural gas-powered AC generators without compromising power or performance. Featuring 2.56 kWh of energy storage and a 2.0 kW continuous (4.0 kW surge) power output, this innovative design uses a high capacity LiFePO4 battery (constructed using premium LiFePO4 cells) and a high efficiency AC inverter to silently produce clean, regulated 120 VAC, 60 Hz sine wave power. This tough unit is perfect for HFC and telecom applications to replace portable gasoline generators in power outage situations or on technician vehicles where the capacity of this unit can be pushed to its limits. Power anything from network power supplies, small cell radios, tools and cell phone chargers, to fiber optic splicers, or even a small A/C unit. Battery capacity can be doubled by quickly and easily connecting two LBACG-2560 units in parallel. This portable, rugged generator is easily transported in a vehicle trunk or the bed of a pickup truck. Charging is accomplished from the 882 W AC mains charger (full charge in 3 hours) or from the integrated solar charge port.



FEATURES

- **Big power, small package:** 2560 Wh of stored energy with a 2000 W (4000 W surge) AC inverter at only 78 lbs (35 kg)
- **LCD backlit display:** includes 8-bar battery SoC (state of charge) indicator, battery voltage display, AC output voltage, frequency and power displays
- **Bluetooth[®] BMS connectivity:** Bluetooth app allows battery management system (BMS) data to be displayed on any Apple[®] or Android[™] device
- **Flexible charging:** charging options include the 882 W mains AC charger, the integrated pulse width modulation (PWM) solar charge controller port which supports 30-55 VOC (100-600 W) of photovoltaic (PV) input with a maximum of 20 A of current or an external DC source
- **Premium on safety:** uses premium certified LiFePO4 battery cells with a BMS, main DC circuit breaker, AC switch and Anderson SB[®]50 connectors with weather caps
- **Dependable backup:** keep vital equipment silently powered during a power outage with two 120 VAC NEMA[®] 5-15R receptacles, one 24 VDC, 50 A Anderson SB50 output port, one 12 VDC 10 A vehicle power port output, four USB-C (5-12 VDC, 18 W) ports, four QC3.0 (5 VDC, 12 W) ports and an Anderson SB50 parallel connection port for extended run-time
- **Rugged:** tough, weather-resistant, hard shell, mold injected, glass fiber reinforced, polypropylene case rated to UL94 (V-1) with wheels and folding handles, with the ability to lock to any permanent fixture to prevent theft
- **High-demand uses:** run network power supplies, small cell radios, power tools, multiple battery chargers and more



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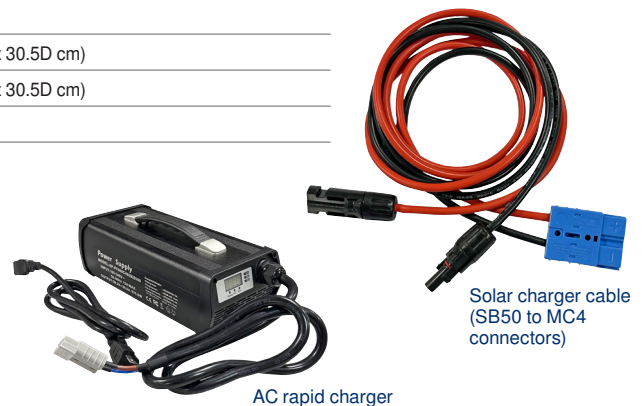
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SPECIFICATIONS

Parameter	Specification	
Electrical		
Battery	Type	Lithium iron phosphate (LiFePO4)
	Nominal Voltage	24 VDC
	Voltage Range	24.0-29.2 VDC
	Capacity	100 Ah, 2560 Wh
	BMS	Integrated
	Warranty	2-year limited manufacturer's warranty
Inverter Output Power	2 kW continuous, 4 kW surge	
AC Outputs	2x 120 VAC, 60 Hz sine wave NEMA [®] 5-15R receptacles	
DC Outputs	1x Anderson SB [®] 50 24 VDC, 50 A output port	
	1x 12 VDC, 10 A vehicle power port	
	4x USB-C (5 VDC 3 A, 9 VDC 2 A, 12 VDC 1.5 A) 18 W max. ports	
	4x QC3.0 (5 VDC, 12 W) ports	
Parallel Connection	1x Anderson SB50 connection port	
Charging		
Charging Options	AC mains charger: included, external 120 VAC input; 29.2 VDC, 30 A, 882 W output	
	DC PWM photovoltaic (PV) charge controller: internal 20 A, 30-55 VOC	
	DC Anderson SB50 input: 28.4-29.2 VDC, 20 A recommended (100 A max.)	
Protection		
Battery Breaker	80 A	
Battery BMS	Short Circuit Protection	200-600 μ s
	Charge Voltage Cut-Off	30 VDC (1.2 s)
	High Temperature Cut-Off	75 [°] C (167 [°] F)
	Discharge Voltage Cut-Off	20 VDC (140 ms)
Environmental & Physical		
External Case	Portable ruggedized, weather-resistant, mold injected, glass fiber reinforced, polypropylene case rated to UL94 (V-1) with wheels & foldable handles	
Temperature	Operating	-10 [°] C to +55 [°] C (+14 [°] F to +131 [°] F)
	Storage	-10 [°] C to +55 [°] C (+14 [°] F to +131 [°] F)
	Charging	0 [°] C to +50 [°] C (+32 [°] F to +122 [°] F)
Dimensions (H x W x D)	20.0"H x 26.0"W x 12.0"D (50.8H x 66.0W x 30.5D cm)	
Dimensions with Handle Extended (H x W x D)	38.0"H x 26.0"W x 12.0"D (96.5H x 66.0W x 30.5D cm)	
Weight	78.0 lb (35.4 kg)	

ORDERING INFORMATION

Part #	Description
LBACG-2560	Portable LiFePO4 2560 Wh/2000 W 120 VAC generator
Optional Accessory	
LBACG-2560-PCAB	3' (0.91 m) parallel connection cable for 2x LBACG-2560/2560E, #6AWG, Anderson SB50 connectors



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