



## 450 WATT POWER INVERTER MODEL: S LX-450-BUI

PLUG YOUR INVERTER INTO THE LIGHTER SOCKET OR CLAMP ON TO YOUR VEHICLE BATTERY TO CONNECT.

THEN PLUG YOUR DEVICE INTO THE INVERTER FOR POWER.

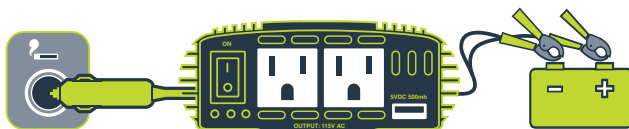


## HOUSEHOLD POWER FROM A 12V BATTERY

Keep your battery operated power tools charged and ready with the Samlex Builder power inverter. Connect the inverter through your vehicle and plug in everything from smart phones and laptops to skill saws and power washers. Working in a remote location? Power your work bench on the job-site, charge two-way radios and be ready in an emergency.

### DESIGN FEATURES

- Light weight, compact, highly portable
- Easy to install and operate
- 2.1 Amp USB Port (compatible with all new release smart phones)
- Load controlled cooling fan
- Cool surface technology
- Soft start technology
- Low battery input alarm
- Universal protection circuit – thermal, battery, overload, short circuit & earth fault
- Safety certified to UL standards
- 2 YEAR WARRANTY



### SPECIFICATIONS

INPUT	BATTERY SYSTEM VOLTAGE	12 VDC
	NOMINAL INPUT VOLTAGE	12.5 VDC
	INPUT VOLTAGE RANGE	> 10.8 VDC to < 15.4 VDC
	INPUT CURRENT AT CONTINUOUS POWER	41.3A to 43.3A
	INPUT CURRENT AT NO LOAD	0.25A to 0.35A
OUTPUT	OUTPUT VOLTAGE WAVE FORM	Modified Sine Wave
	OUTPUT VOLTAGE (FREQUENCY)	115VAC + 10% / -2%; 60 Hz ± 5%
	OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)	450W
	OUTPUT POWER, SURGE (<1 SEC., RESISTIVE LOAD)	900W
	PEAK EFFICIENCY (AT 50% OF CONTINUOUS POWER)	90%
PROTECTIONS	USB CHARGING PORT	USB 3.0, Connector Type "A": 5 VDC, 2.1A
	LOW INPUT VOLTAGE ALARM	10.8 VDC ± 0.3 VDC
	LOW INPUT VOLTAGE SHUTDOWN	10.5 VDC ± 0.3 VDC
	HIGH INPUT VOLTAGE SHUTDOWN	15.4 VDC ± 0.2 VDC
	OVERLOAD AND GROUND FAULT SHUT DOWN	Yes. Latches in shutdown condition. Manual reset: Switch OFF the ON/ OFF Switch, wait 3 mins & Switch ON again.
OUTLETS	OVER TEMPERATURE SHUTDOWN	Yes. Auto reset on cooling down.
	COOLING FAN	Load controlled: Switches ON at 8W to 12W
	INPUT FUSE: 32V, AUTOMOTIVE TYPE ATC (INSIDE THE UNIT, NOT USER ACCESSIBLE)	70A (2 x 35A in parallel)
	DC INPUT	M4 Thumb Screw
	AC OUTPUT	Two NEMA5-15 R Outlets
GENERAL	OPERATING TEMPERATURE RANGE	0°C to 25°C / 32°F to 77°F at 100% loading; 26°C to 35°C / 78.8°F to 95°F at 80% loading
	OPERATING HUMIDITY	< 80%Non-condensing
	NEUTRAL TO CHASSIS BONDING	No. Neutral of the NEMA5-15 R AC Outlet is isolated from the chassis
	DIMENSIONS (W x D x H)	154 x 151 x 56.5 mm 6.1 x 6.0 x 2.2 in
	WEIGHT	0.6 kg / 1.3 lb
SAFETY	DC INPUT CABLES INCLUDED	AWG#16 Cable with 12V power plug (12V plug contains replaceable 250V, 8A fuse - Bussmann Type AGC-8); AWG#12 Cable with battery clamps
	Safety Compliance	Conforms to UL STD 458

NOTE: Specifications are subject to change without notice

