



LIFESINE®

PURE SINE WAVE AMBULANCE POWER MODULE

PURE SINE WAVE POWER FOR THE MOST DEMANDING CONDITIONS

Since 1977, Vanner's products have been designed to exceed industry standards for safety and reliability. With more than three years of development and testing, the LifeSine is no exception. It's much more than an inverter that delivers 1100 watts of pure sine wave power. When plugged into shore power, the LifeSine functions as a 55 amp battery charger and a 20 amp DC power supply. All of these features, as well as Ignition Safety Interlocks comply with GSA, AMD, NFPA, and CAAS GVS, and are contained in one module for ease of installation. What's more, it's easy to upgrade existing LifeStar™ and earlier Vanner quasi-sine inverters to the LifeSine Pure Sine wave. **For more information on LifeSine or support on any Vanner product call, 800-AC POWER (227-6937), or visit vanner.com.**

LIFESINE INVERTER FEATURES

- **1100 WATTS OF PURE SINE WAVE POWER** – Precisely regulated to power today's most sensitive EMS equipment
- **3-STAGE, 55 AMP BATTERY CHARGER** – Compatible with sealed AGM, flooded lead-acid, and deep-cycle gel-cell batteries
- **INTEGRATED 20 AMP POWER SUPPLY** – No additional DC power supply needed to operate checkout lights and other DC loads
- **"CLEAN CONNECT" DC RECEPTACLE** – Provides secure DC connection and eliminates DC connection pigtail
- **SAFETY FIRST** – UL Certified and designed to exceed GSA, NFPA, AMD, and CAAS GVS specifications and testing
- **STANDARD SIZE** – Same compact footprint and bolt template as the Vanner LifeStar and earlier Vanner inverters
- **COMPATIBILITY** – Works with existing LifeStar remote panels
- **LIGHTWEIGHT** – Weighs only 9.20 pounds



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LIFESINE[®] INVERTER OVERVIEW

INVERTER	LSC 12-1100
OUTPUT AT 120Vac RMS (continuous power rating)	1100W
SURGE CAPACITY AT 120Vac (3 sec)	2100W
INPUT VOLTAGE, Vdc (deep cycle battery recommended)	12Vdc, nominal, 10.5Vdc minimum, 16.5Vdc maximum
AC OUTPUT VOLTAGE	120Vac \pm 5%

DC CURRENT DRAW (BATTERY)	LSC 12-1100
OFF	0.017A Typical
IN LOAD DEMAND	0.09A Typical
FULL ON AT NO AC LOAD	1.5A Typical
FULL ON WITH LOAD	Approximate AC Load, 10W
FREQUENCY	60 Hz \pm 0.2%
OUTPUT WAVE FORM	Pure Sine Wave

BATTERY CHARGER	LSC 12-1100
CHARGING CAPACITY (note "DC SOURCE" section below)	55A (high) 15A (low)
INPUT VOLTAGE	120Vac \pm 10%
INPUT CURRENT	12A
BULK VOLTAGE	14.2Vdc (flooded), 14.1Vdc (gel), 14.7Vdc (agm)
FLOAT VOLTAGE	13.4Vdc (flooded), 13.6Vdc (gel), 13.1Vdc (agm)

BYPASS TRANSFER	LSC 12-1100
OUTPUT CURRENT, GFCI OUTLET	12A

DC SOURCE	LSC 12-1100
OUTPUT VOLTAGE	Battery Voltage
OUTPUT CURRENT	20A Maximum (current must be subtracted from "Charging Capacity" above)

OTHER SPECIFICATIONS	LSC 12-1100
AC INPUT TERMINATION	3 Foot Line Cord
AC OUTPUT TERMINATION	Duplex GFCI Receptacle
AMBIENT TEMPERATURE	-4°F to +158°F (-20°C to +70°C)
COOLING AIR	Fan Cooled
CHASSIS	Aluminum
DIMENSIONS	11.57" w x 5.94" h x 11.5" d
WEIGHT	9.20 Lbs



ISO 9001 ISO 14001

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Product designs and specifications described in this literature are subject to change without notice.

