

HAVIS COMMERCIAL+ POWER INVERTERS

**LSC12-1100**

POWER YOU CAN RELY ON

Havis Commercial+ Power (**LSC Series**) delivers Pure Sine Wave power with integrated charging in a high-frequency inverter/charger designed for higher-demand commercial vehicles.

**LSC12-2000**

Available in 1100W (a widely used ambulance industry standard) and 2000W configurations, the LSC Series helps fleets power sensitive electronics and support consistent uptime with a single, space-efficient solution built for real-world duty cycles.

1100W MODULE (LSC12-1100)

- 1100 watts of Pure Sine Wave power
- 3-stage, 50 amp battery charger
- Compatible with AGM, flooded lead-acid, and LiFePO4 batteries
- Integrated 20 amp DC power supply
- Same footprint and bolt pattern as earlier standard units
- Works with existing remote panels (LSIR/LSCR)

2000W MODULE (LSC12-2000)

- 2000 watts of pure sine wave power
- 3-stage, 100 amp battery charger
- Compatible with AGM, flooded lead-acid, and LiFePO4 batteries
- Integrated 20 amp DC power supply
- Low-profile design; mounts in any orientation



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INVERTER

	LSC12-1100	LSC12-2000
OUTPUT AT 120VAC RMS (continuous power rating)	1100W	2000W
SURGE CAPACITY 120VAC (3 sec)/(2 sec)	1950W	4000W*
INPUT VOLTAGE, VDC (deep cycle battery recommended)	12VDC, nominal, Min: 10.5VDC Max: 16.5VDC	12VDC, nominal, Min: 10.5VDC Max: 16.5VDC
AC OUTPUT VOLTAGE	120VAC ± 5%	120VAC ± 3%

DC CURRENT DRAW (BATTERY)

	LSC12-1100	LSC12-2000
OFF	0.00mA TYPICAL	0.00mA TYPICAL
IN LOAD DEMAND	0.09A TYPICAL	<0.4A TYPICAL
FULL ON AT NO AC LOAD	1.5A TYPICAL	<0.4A @12.5V
FULL ON WITH LOAD	APPROX AC LOAD WATTS +10	APPROX AC LOAD WATTS +10
FREQUENCY	50/60 HZ ± 0.2%	50/60 HZ ± 0.2%
OUTPUT WAVE FORM	PURE SINE WAVE	PURE SINE WAVE

BATTERY CHARGER

	LSC12-1100	LSC12-2000
CHARGING CAPACITY (note "DC SOURCE" below)	12A / 25A / 37A / 50A	25A / 50A / 75A / 100A
INPUT VOLTAGE	120VAC ± 10%	120VAC ± 10%
INPUT CURRENT	7.5A	16.5A @110VAC
BULK VOLTAGE	14.2VDC (FLOODED) 14.4VDC (AGM) 14.4 VDC (LiFePO4)	14.2VDC (FLOODED) 14.4VDC (AGM) 14.4 VDC (LiFePO4)
FLOAT VOLTAGE	13.2 VDC (FLOODED) 13.6 VDC (AGM) 14.0 (LiFePO4)	13.2 VDC (FLOODED) 13.6 VDC (AGM) 14.0 (LiFePO4)

BYPASS TRANSFER

	LSC12-1100	LSC12-2000
OUTPUT CURRENT, GFCI OUTLET	12A	30A

12V DC OUTPUT POWER SOURCE

	LSC12-1100	LSC12-2000
OUTPUT VOLTAGE	BATTERY VOLTAGE	
OUTPUT CURRENT	20α MAX (current must be subtracted from "CHARGING CAPACITY" above)	

SPECIFICATIONS

LSC 12-1100	
	AC INPUT TERMINATION: 3 FOOT LINE CORD AC OUTPUT TERMINATION: DUPLEX GFCI RECEPTACLE
	AMBIENT TEMP AT FULL POWER: -4°F TO +104°F (-20°C TO 40°C)
	COOLING AIR: FAN COOLED
	CHASSIS: ALUMINUM
	DIMENSIONS: 11.57"W X 5.94"H X 11.5"D
	WEIGHT: 9.2 LBS

LSC 12-2000	
	AC INPUT TERMINATION: HARDWIRED AC OUTPUT TERMINATION: HARDWIRED
	AMBIENT TEMP AT FULL POWER: -4°F TO +104°F (-20°C TO 40°C)
	COOLING AIR: FAN COOLED
	CHASSIS: ALUMINUM
	DIMENSIONS: 9.88"W X 4.56"H X 17.83"D
	WEIGHT: 13.3 LBS

CERTIFICATIONS & TESTING

DC INPUT	12VDC & 24VDC
DC VOLTAGE RANGE	10.5VDC - 16.5VDC & 21VDC - 33VDC
OPERATING TEMPERATURE	-20C TO +40C (-4F TO +104F)
SURGE RATING	150% OF CONTINUOUS POWER FOR 3 SECONDS
EMC STANDARDS	FCC CLASS B: TS400, TS700, TS1000, & TS1500 FCC CLASS A: TS2000 & TS3000
EFFICIENCY	90% - 93%
STANDBY RECOVERY	FIVE SECONDS

SAFETY & COMPLIANCE

- UL certified
- Exceeds GSA, NFPA, AMD, and CAAS GVS requirements
- Designed for demanding EMS electrical loads
- Includes ignition safety interlocks
- Supports shore-power operation