



EXPERIENCE POWER... EXPERIENCE VANNER.

LifeStar™ 20-1050CUL-DC Ambulance Inverter Charger

Experience the new, rugged, all-climate inverter charger

Extraordinarily Reliable

- 1050 watts of precisely regulated AC power and a 55 amp battery charger when plugged into shore power
- Meets new GSA K-spec for charging and DC power
- Operate your equipment's DC loads and check out lights with a built-in 20 amp power supply— no secondary, DC power supply is required
- New circuitry & lower EMI
- Fully-integrated 1FM1 for simplified wiring and reduced labor time & space
- Same footprint as current models; swap out takes about 3 minutes



Vanner ... the trusted name for more than 30 years



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LifeStar[®] 20-1050CUL-DC Inverter Charger Specifications

Inverter	20-1050CUL-DC	20-1000TUL-DC
Output at 120 VAC RMS (Continuous Power Rating)	1050 Watts	
Surge Capacity at 120 VAC (3 sec)	2100 Watts	
Input Voltage, VDC (Deep Cycle Battery Recommended)	12 VDC, Nominal 10.5 VDC min, 16.0 VDC max.	
AC Output Voltage	120 VAC ± 5%	
DC Current Draw (Battery)		
OFF	0.017 Amps Typical	
In Load Demand	0.09 Amps Typical	
Full ON at No AC Load	0.7 Amps Typical	
Full On with Load	Approx. AC Load Watts , 10	
Frequency	60 Hz ± 0.2%	
Output Wave Form	Modified Sine Wave	
Battery Charger		
Charging Capacity (note “DC Source” section below)	55 Amps (High) 15 Amps (Low)	N/A
Input Voltage	120 VAC ± 10%	N/A
Input Current	12.0 Amps	N/A
Bulk Voltage	14.2 VDC (flooded), 14.1 VDC (gel)	N/A
Float Voltage	13.2 VDC (flooded), 13.6 VDC (gel)	N/A
Bypass Transfer		
Output Current, GFCI Outlet	12 Amps	
DC Source		
Output Voltage	Battery Voltage	
Output Current	20.0 Amps Max. (Current must be subtracted from “Charging Capacity” above)	
Other Specifications		
AC Input Termination	3ft. Line Cord	
AC Output Termination	Duplex GFCI Receptacle	
Ambient Temperature	-20° to +110°F, -29° to +43.4°C	
Cooling Air	Fan Cooled	
Chassis	Aluminum	
Dimensions	11.57”W x 5.94”H x 11.04”D	
Weight	22 LBS	

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