

51VDC 3,000W INVERTER-CHARGER

INVERTER- CHARGER SERIES

CAT # LINCA51V3K30



Inverter-Charger Details

Built-in GFCI Receptacle with ability to be hardwired.

Designed for Lithium Battery Systems.

Key Benefits

- ✓ RV-C Support
- ✓ High 6000W Start-Up Surge
- ✓ True Sine Wave Output

Reliable Power, Exceptional Efficiency

Experience seamless integration and efficiency. With no programming required, this system utilizes RV-C CAN technology to communicate directly with the Battery Management System. Combining a powerful 3,000W DC-AC Inverter and a transfer switch with a multi-stage battery charger ensures optimal charging of battery.

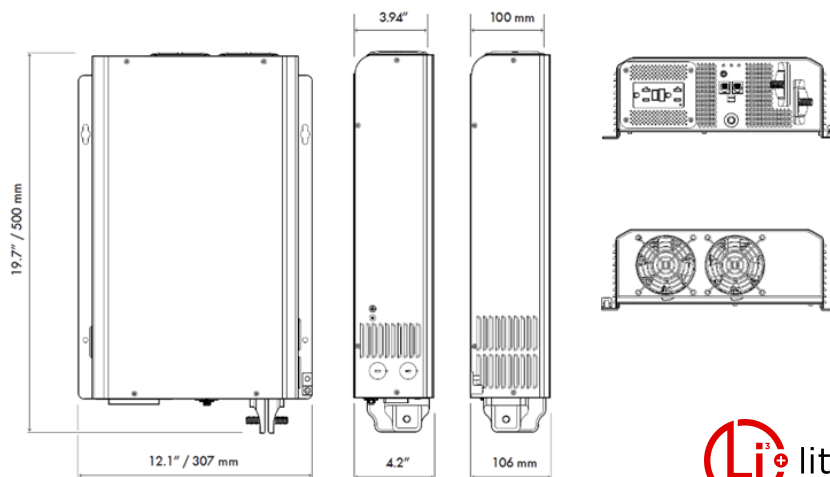
DIMENSIONS

Size (L x W x H):

19.7" x 12.1" x 4.2"
(500.4 x 309.9 x 106.7)

Weight:

22.9lbs
(10.4kg)



SPECIFICATIONS

AC OUTPUT

3,000W Continuous Power
6,000W (Peak-1 second) surge power
120V/60Hz Voltage/Frequency
25A Current
True Sine Wave (<5% THD)
0.92 Peak Efficiency
0.8A Inverter Standby Current
NEMA 5-20 GFCI AC Receptable

DC INPUT

Nominal Input Voltage: 51.2V
Input Voltage Range: 42-65VDC
Idle Current: <0.8A Current (no load)
M8 Studs Terminals

BATTERY CHARGER

RV-C Support
LiFePO4 Battery Chemistry
30A Charge Current
Power Sharing (Reduces Charger Current when a heavy AC load is connected)

REGULATORY COMPLIANCE



PROTECTION

Battery Input Undervoltage
48.0V Shutdown
50.0V Warning
52.0V Recovery
Battery Input Overvoltage
60.0V Shutdown
Inverter Overload
2,800W Warning
3,300W Shutdown

AC TRANSFER SWITCH

30A Transfer Switch Rating
<30ms Transfer Time
AC Input Port: Hardwire 30A Heavy Duty Terminal
AC Output Port Hardwire: 30A Heavy Duty Terminal or NEMA 5-20 GFCI

ENVIRONMENTAL

Operating Temperature
32°F to 104°F (0°C to 40°C)
Storage Temperature
-4°F to 140°F (-20°C to 60°C)
Operating Altitude
Up to 9,843ft (3000m) above sea level

INTERFACE (MAIN UNIT)

Power On/Off Switch (Push Button)
Indication: 3 LEDs - Power, AC Output, & Unit Status
Remote Control Panel Port
Ignition Start Port for use with Vehicle 'ACC' Signal (+12V)

REMOTE CONTROL PANEL

Indication: Power, AC Output, Unit & Battery Status (LED)
LCD with Backlight Display
Battery Voltage, AC Power, DC Current numerical display functions
AC Bypass, Battery Power, AC Input, Battery Status, Warning/ Fault Code graphical display functions

DS-020

Powering Innovation.

Discover the right lithium replacement system for you. Reach out to Lithionics' expert support team to find your perfect power solution.