# 51VDC 3,000W INVERTER-CHARGER INVERTER- CHARGER SERIES

#### CAT # LINCA51V3K30



#### **Inverter-Charger Details**

Built-in GFCI Receptable 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.

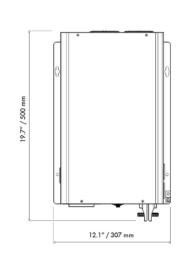
## **DIMENSIONS**

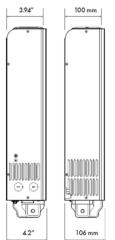
## Size (L x W x H):

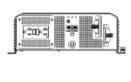
19.7" x 12.1" x 4.2" (500.4 x 309.9 x 106.7)

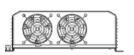
#### Weight:

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

#### **Powering Innovation.**

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

DS-020