Isolated DC-DC Converter of 1000W(JCDI75)

The isolated DC-DC converter is a device to convert your EV battery pack high voltage down to the 13.8V(output voltage is customized can be 12V 13.5V 13.6V 14.2V or other voltage you want) necessary to run normal automotive headlights, wipers, stereo, etc. It is a fully isolated supply preventing frame leaks from your high voltage pack and allowing you to use two or more in combination for heavy 12v system requirements. 2000v isolation. This converter features a CONTROL input connector. To turn it on, pin1 must be connected to 12v negative and pin 2 to a 12v positive source.

Features:

●Input and output isolated
●Advanced current control mode and stable circuit techonology
●Complete protections: over voltage protection, under voltage protection, over current protection, overheat protection, short-circuit protection and input reverse protection.
●Human oriented design, easy operation: no distinguishment between positive cable and negative cable of input.

Operating Condition:

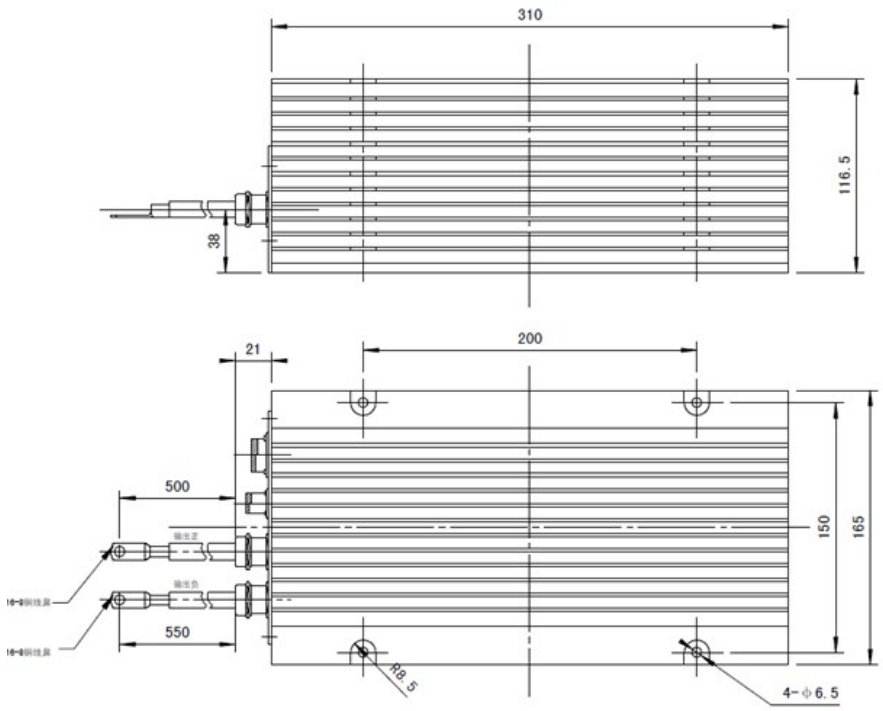
1. Compatible battery types: Lead-Acid, Lithium battery.
2. Altitude: ≤3000m.
3. Storage temeperature: -35℃-+85℃
4. Working Temperature : -30℃-+65℃
5. Humidity: 5%-95%

General Specifications:

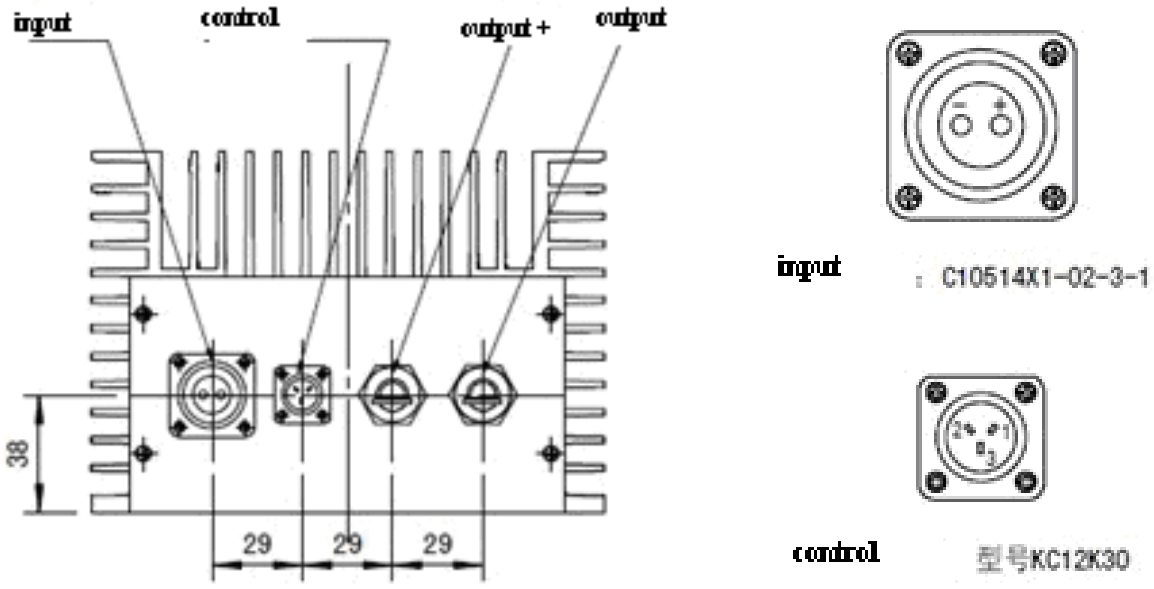
Input voltage rated: 144VDC
Input voltage range: 112V～162VDC
Output Voltage: 13.8V
Output current: 75A rated
Peak current:85A(7mins)
Power: 1000W
Output voltage accuracy: ≤1%
Output current accuracy: ≤1%
Full load efficiency:≥89%
Input and output cable length: 500mm
Cooling method: Self cooling
Environmental Enclosure: IP55
Weight:7.5kgs

Dimensions:

Length: 310 mm - 12.2 inches
Height 116.5 mm 4.5 inches
Case Width: 165 mm 6.5 inches

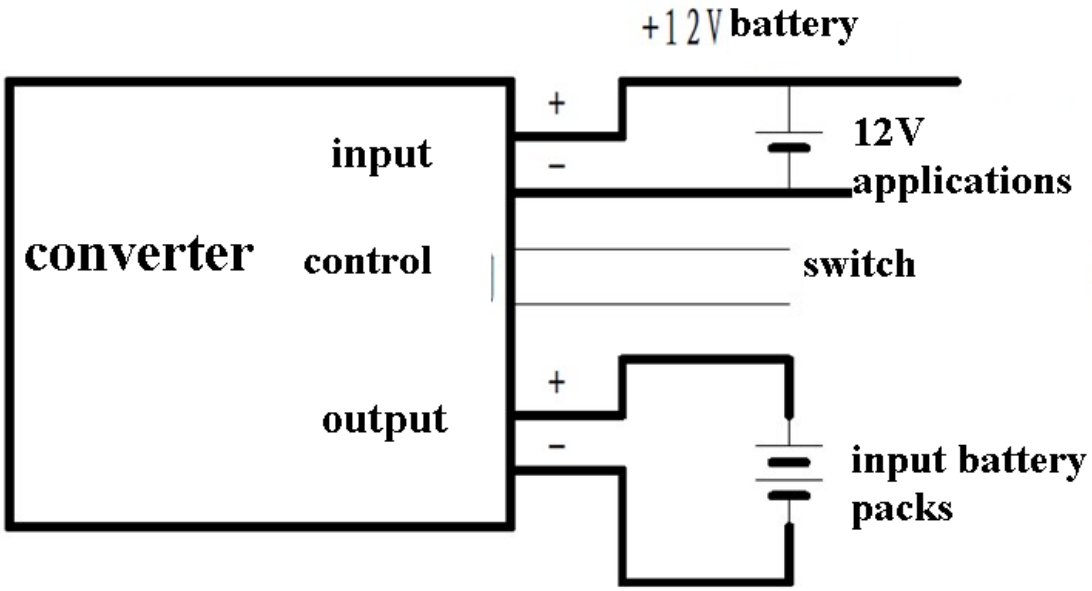


Wiring:



Control: KC12K30. pin2 and pin3 to switch and when switch is on converter is working. And when switch is off the converter will stop working. If would like converter working all the time please leave switch on all the time or pin2 & pin3 connected all the time

Note: output with our reverse protection, if reverse converter will be damaged


+12V battery
converter
input
control
output
+
-
+
-
12V
applications
switch
input battery
packs