

CHENNIC DC-DC Inverter (JCD10)



■ Description

JCD10 type DC to DC Voltage Converter / Reducer is for Golf Carts, and Electric Carts, which reduces voltage from 60V/48V/36V/30V DC to 12V DC with 10 Amps 120 Watts. allows you to install any 12V Device such as Stereos, GPS, Communication Devices, Lights, Wiper Blades, and many other standard 12V Electronic Devices. Mounting of this unit is very easy and it comes with a Schematic Diagram as well. Basically the Black Wire is Ground, the Red Wire is Variable Voltage input, and the Yellow Wire is the 12V DC output terminal. You can either use the plug to connect it or you can cut the plug out and hardwire it.

With automatic current limit controller and auto reset, Aluminum alloy case, add water proof function.

■ Specifications

Input Voltage:	24V 36V 48V 60V 72V
Input Current:	5A (max)
No-load input current:	≤10mA
Output Voltage:	DC 12V ±2%
Output Current:	10A
Ripple wave:	50Mv
Starting delay time:	≤ 2S
Maximum Efficiency:	≥85%
Insulation resistance:	≥20M Ω (between crust and earth, insulation resistance ≥20M Ω)

■ Protections

Short-circuit protection: If it is short circuit situation, it will stop working, and will reset automatically after trouble removal.

Over-current protection: When output current is larger than 120% of rated current, it will stop work, and will reset

automatically after trouble removal.

Water and Vibration Proofed: All sealed by silica glue to get water and vibration proof, which is suitable for all kinds of condition.

■ Mechanical

Dimensions: L88mm W52.5mm×H35.5mm

Net Weight: 280g

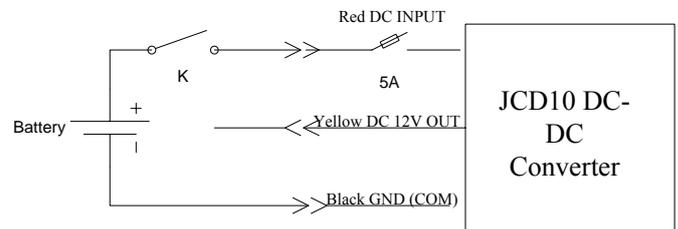
Gross Weight: 320g

■ Type Table

Type	Battery Voltage	Operate Range	Output Voltage	Output current
JCD10-2412	24V	20—30V	12V	10A
JCD10-3612	36V	30—45V	12V	10A
eJCD10-4812	48V	40—60V	12V	10A
JCD10-6012	60V	50—75V	12V	10A
JCD10-7212	72V	60—90V	12V	10A

Note: other voltage is available

■ Wire



Note: It will cause problem when disconnecting the output as input.

Red: Input + (0.75mm²) Yellow: Output + (0.75mm²)

Black: Ground Input- & Output- 0.75mm²)

Basically the Black Wire is Ground, the Red Wire is Variable Voltage input, and the Yellow Wire is the 12V DC output terminal.

■ Security guide

 Warning: This mark reminds the users of dangerous operation.

 Attention: This mark reminds the users of the important operation.
Forbid repairing by your own.

 If there are unmoral sounds and bad smell, please cut down the power. If you are in need of repair, please connect with our company, we will solve your problem at the shortest time.

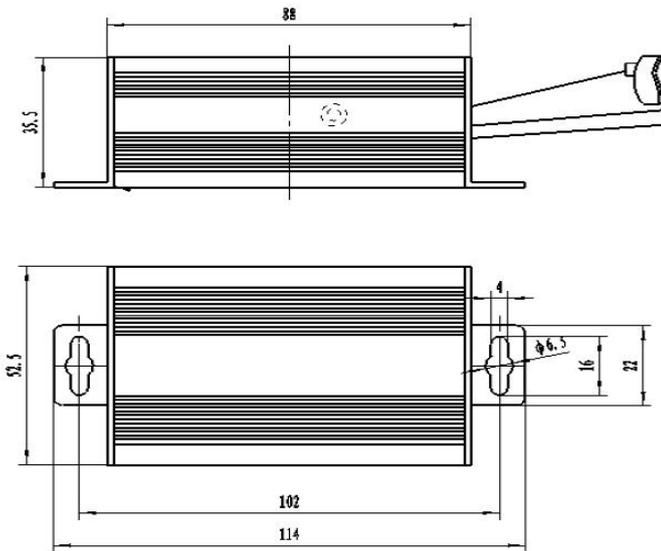
Don't lengthen and change output wire.



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-  Don't put the converter near by the heat.
-  The battery voltage must be suitable for the converter input voltage.
-  Please don't pull and wave the charger wire in order to avoid pulling, waving and shaking it.

■ Installation Size



■ Trouble shooting guide

If your converter can't work normally, please check as follows before you ask to repair:

Trouble phenomenon	Cause analysis	Resolve methods
Output voltage is too low	Output wires is too long, which leads the voltage to drop too much	Recover the output wire to standard length.
The converters can't work	Fuse may burn.	Change the fuse (If it burns again after change, it means there are some problems inside.

Please contact with our company if the charger still can't work normally after checking accord to the above-mentioned.

■ Daily maintenance

Attention:

- 1 Put in safe, no-dust, no-rain working condition.
- 2 Don't open the machine if you are a non-electrical worker.
- 3 Packaged putting if there is long time no use.
- 4 The connection of input and output can't be opposite.
- 5 If the fuse damages caused by input reversed connection, you can change fuse by yourself. (Changed fuse must be the same with the old one)

■ Maintenance

If there is phenomenon as follows during warranty period, they won't belong to the quality problem of our company.

1. Damage caused by wrong operation
- 2 Damage caused by opening the charger without our company's permission.
- 3 Damage caused by transportation. For example, knocking, bumping and knocking down.
- 4 Damage caused by wrong input voltage and opposite connection.
- 5 Damage caused by pulling and pushing the input or output wires seriously.
- 6 Damage caused by strengthening the input and output wires which leads to the shortage of output voltage.

**Please read this manual carefully before
use the converter!**

For more information please contact:

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