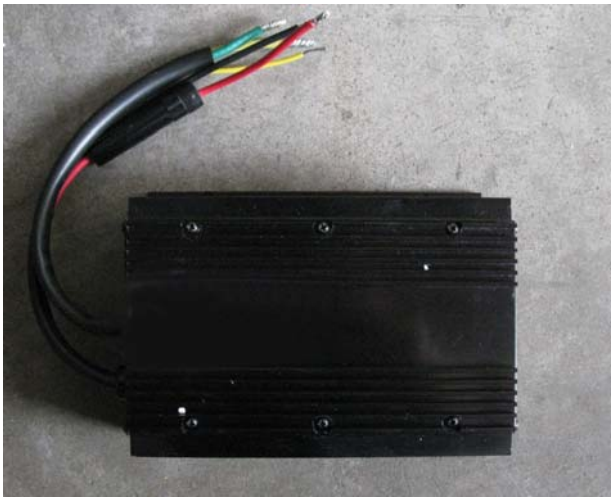
CHENNIC Isolated DC-DC Converter

(JCDI35)



Protect function

1 .Over current protection

2. Output short protection

3. Input reversed connection protection

4 .Over-heated protections

5. Adopt scattered hot naturally, e-reperfusion sealant inside, waterproof and quakeproof.

Technical data

Load rate：0-100%

Normal work temperature:-10℃-+40℃

Insulation requirement: Input has no comments with output in electrical isolation. Input to input， input and output to case withstand voltage＞500V，insulation resistance＞20MΩ

Input voltage: nominal： 72VDC

Output voltage: 13.8V (tolerance is +/-0.3V)

Mechanical data

Shape size: 175×135×67mm

Fixing dimensions: 125×110mm,4×Φ5 fixing holes

Net Weight: 1.6Kg

Type Table

Type	Battery Voltage	Output Voltage	Output current (MAX)
JCDI35-3612	36V	12V	35A
JCDI35-4835	48V	13.8V	35A
JCDI35-7212	***72V***	***12V***	***35A***
JCDI35-9612	96V	13.8V	35A
JCDI35-12012	120V	13.8V	35A
JCDI35-14412	144V	13.8V	35A
JCDI35-15612	156V	13.8V	35A
JCDI35-19212	192V	13.8V	35A

Note: output current and voltage can be changed with customer's need.

Trouble shooting guide

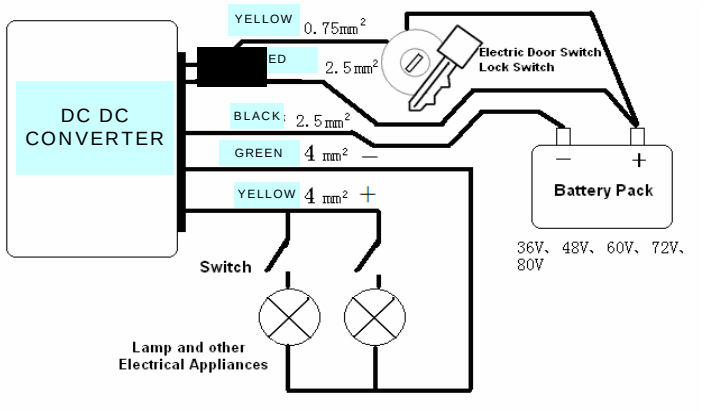
If your converter can't work normally, please check as follows before you ask to repair:

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.

Note: 1. output current and voltage can be changed with customer's need.

2. Please choose converter by Battery voltage not working range！

Connect line method



1 Input anode connects with input side red wire, input cathode connects with input side black line.

2 Yellow line is the manipulative line, connects with manipulative switch.（This line can add in accordance with customers' need. This manipulative line should connect with a switch and anode of input power supply. When the switch is connected, converter will start working; when the switch is down, the converter will stop working.

3 Output Yellow (thicker about 4.5mm) line is anode, green line (about 4.5mm) is cathode.

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.

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.

Peculiar function

Lengthen output line:

If the distance between converter and load is too far, in order to avoid the impaction of voltage reduction, please order output wire lengthen charger in advance. Please measure the distance between the converter and load correctly.

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 converter 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.