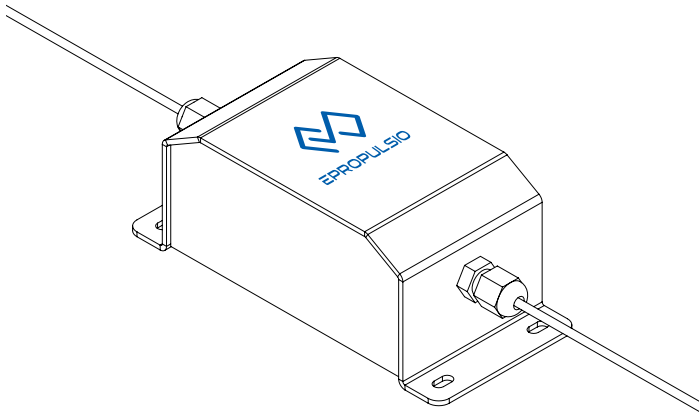


DCDC 48v-12v 60w User Manual

Suitable for E60/E163 Battery



Model: DDR-60L-15

Please read this manual carefully before use.

Introduction:

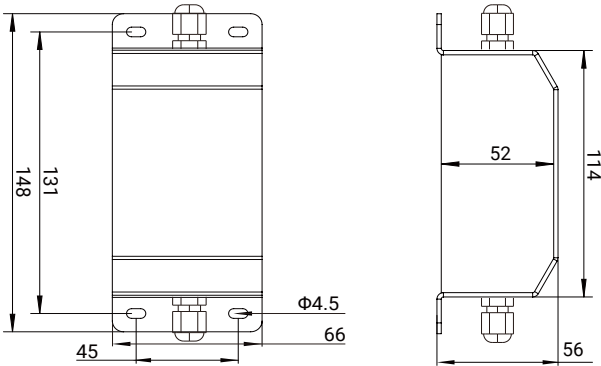
Thank you for purchasing ePropulsion DCDC 48v-12v 60W.

This DCDC is specially designed for E60/E163 Battery.

Specifications:

Output	
Rated Voltage	14V
Rated current	4A
Max power	60W
Input	
Voltage range	DC18-75V
Efficiency	92%
Protection	
Overload protection	Constant current mode protection, automatically restores after abnormal conditions are removed.
Overvoltage protection	Shuts off output, automatically restores after abnormal conditions are removed.
Reverse polarity	Automatically restores through the power supply's internal MOSFET after removing the load's abnormal condition, without damage.
Undervoltage lockout	Output is turned off when the input voltage is less than 18VDC
Environment	
Operating temperature	-40 to +85°C
Operating humidity	5 to 95% RH ,No condensation
Altitude	3000m
Certification	CE-EMC、CE-LVD、UKCA-LVD、UKCA-EMC、FCC
Dimension	
Weight	950 g
Dimensions	148 X 66 X 56 mm
Cable Length	Input: 500mm Output: 500mm

Dimensions:



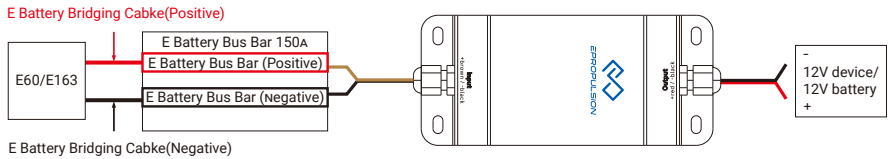
Packing List:

Item	Qty.	备注
DCDC 48v-12v 60w	1 set	/
Tapping Screw M4x16	4 pcs	/
Ring Terminals RNBL1-6-90D	6 pcs	Wire Range: 22-16 A.W.G (0.5-1.5mm ²)
DCDC 48v-12v 60w User Manual	1 pcs	/

Notes:

- ▲ Do not reverse the input and output terminals.
- ▲ Do not reverse the positive and negative poles of the DCDC.
- ▲ Use the DCDC within the specified voltage range.
- Installation process requires the following tools: Phillips screwdriver, wire crimping pliers (1-5mm²).

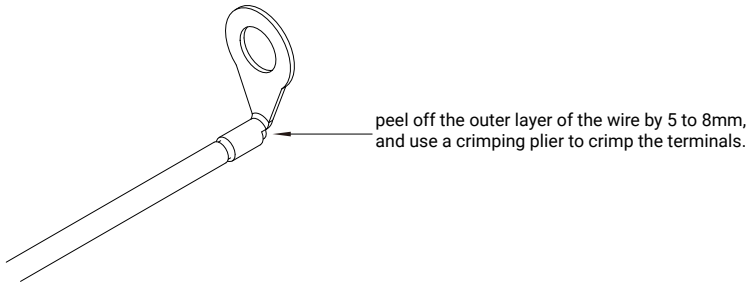
Connection Method:



To connect the E60/E163 to power a 12V device, you will need to purchase the following additional materials:

No.	Item	Qty.	Operation
①	E Battery Bus Bar 150A	1 set	Connect the input wires of the DCDC to the corresponding polarity on the Bus Bar.
②	E Battery Bridging Cable	1 set	Connect the E60/E163 to the corresponding polarity on the Bus Bar.

Installation Instructions:



Warranty:

ePropulsion DCDC 48V-12V 60W is guaranteed against any manufacturing defects for TWO years from date of delivery of products to end customers.

Free warranty is only validated upon the presentation of legal serial number, Warranty Card, and evidence of purchase from an authorized ePropulsion dealer.

Conditions:

Valid date of purchase should be established by the first-hand purchaser with original sales slip.

Free warranty is not transferable and will not be reissued.

The warranty is valid only when the information is correct and complete.

Warranty does not cover:

Minor faults producing no influence on the intended function of the product.

Faults resulting from any improper operation that contradicts the user manual.

Accessories supplied with the product.

Damage caused by accident, misuse or unauthorized repair.

Damage caused by dropping, improper care or storage.

If warranty expires, users can still enjoy maintenance services from ePropulsion authorized dealers with minimum maintenance charge.