



Product Specifications

Electric Vehicle Charger

C1EE120030
48V-12V/30A DC-DC Converter

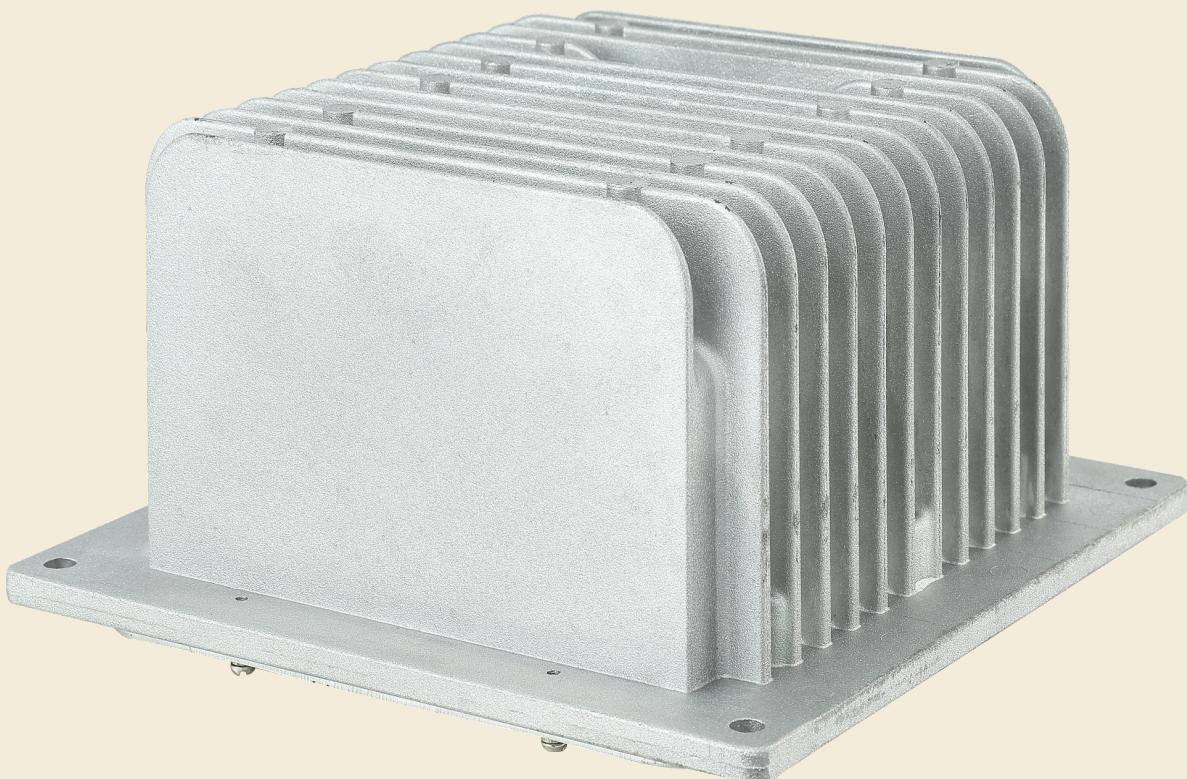
Type: 400W DC-DC Converter

Applications: E-Rickshaw & E-Auto



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SALIENT FEATURES



Ingress protection

A water tight IP67 design for the plug & forget experience.



EMI/EMC compliance design.

Electromagnetic interference is limited controlled.



High power design

Continuous power delivery of 400W at 50°C, capable of handling miscellaneous loads.



Ignition switch protection

Ignition switch is protected through Inrush current limiting device.



Over temperature protection

Protects the converter from extreme temperatures with auto cut-off.



Bump and Vibration

Onboard design capable of meeting the bumps and vibrations as per automotive standards.

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SPECIFICATIONS

AC Input

Voltage- range	: 36-59 VDC
Nominal Voltage	: 48 VDC
Input Current	: <13A
Efficiency	: >90%
Inrush Current	: ≤ 30A

DC Output

Voltage	: 14 .2V ± 0.2V
Power	: 400W(Continous)
current (continuous)	: 28A(Continous)

Protections

1/P & 0/P Over voltage	: Available
1/P & 0/P under voltage	: Available
1/P & 0/P reverse polarity	: Available
1/P & 0/P Short circuit	: Available
Over temperature protection	: Available
IP Protection	: IP67
EM I/EMC and corrosion compliance	: Available

Environmental

Operating Temperature	: -20 To+ 50° C
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Mechanical

Dimensions	: L -170mm, W -178 mm, H -82mm
Weight	: 2Kg Appx.

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