

Product Specifications

Electric Vehicle Charger

C2EA480025
48V/25A On-board Charger

Type: On-board Charger

Applications: Lithium ion battery

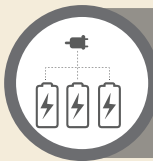


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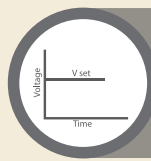


SALIENT FEATURES



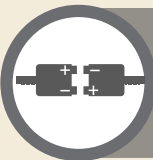
CAN communication

Communicate with VCU, PDU, BMS & other peripherals seamlessly with CAN communication.



Zero start mode

Charge a deep discharged battery automatically.



Battery reverse protection

Protects charger as well as battery when connected with reverse polarity.



Over charge protection

Protect the battery against over charging with auto cut-off feature.



Light weight small size

Aluminium, high frequency switching, & soft switching render very small form factor & vehicle portability



Ingress protection

IP67 level of protection - protected against entry of dust & water particles.

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SPECIFICATIONS

AC Input

Voltage - range	: 170 - 275 VAC
Nominal Voltage	: 230 VAC
Frequency	: 47Hz - 63Hz
Maximum Current	: <10A rms@ 170 VAC and O/P at full load

DC Output

Maximum Voltage	: 60V \pm 0.5V
Maximum Current	: 25A \pm 0.5A
Line & Load Regulation	: <2%
Efficiency	: \geq 90%

Communication	: CAN 2.0B
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Protections

Output over load	: Available
Output short Circuit	: Available
Output Over Voltage	: Available
Over Temp. with auto recovery	: Available
Reverse Polarity	: Available
Ingress Protection	: IP67

Environmental

Operating Temperature	: -20°C to+ 50°C
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Mechanical

Dimensions	: L-261mm , W-141mm , H-76mm
Weight	: 3 kg Appx

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