

# Product Specifications

Electric Vehicle Charger

C2EA480025  
48V/25A On-board Charger

Type: On-board Charger

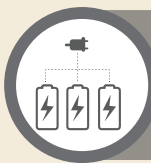
Applications: Lithium ion battery



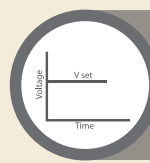
# C2EA480025 48V/25A On-board Charger



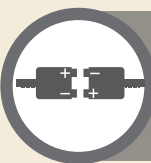
## SALIENT FEATURES



**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.

# C2EA480025

## 48V/25A On-board Charger

### 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

#### 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

#### Mechanical

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

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