CE202 on-board charger series is designed for electric vehicle battery charging with demand for efficiency, robustness and safety. The electrical input voltage for CE202 ranges from AC 85~265V, making it an ideal selection for worldwide usage. Its high-efficiency performance makes the charging more economical.

CE202 provides intelligent charging mode which adjusts the voltage in CC/CV/cut off automatically. It also features short-circuit, over voltage, over current and over temperature protections under charging. The CAN-bus interface delivers message with charging flow, interlock connection, and any disconnection or error message to VCU (Vehicle Control Unit) via BMS (Battery Management System).

CE202 charger series is in compliance with SAE J1772 and IEC 61851 to meet international standard, and with IP 67 for critical operating environment.

**PROPULSION SYSTEM (BEV)**

**KEY FEATURES**
- Output power 6.6kW
- Bi-directional; V2G
- Universal input voltage/application
- CAN-bus communication
- Designed for EV onboard use
- Compliance with SAE J1772 / IEC 61851
- IEC 1000 Standard/IP 65
- Intelligent charging mode
- Input/output protection
- Power status indicator
### PANEL DESCRIPTIONS

1. AC input
2. DC output
3. Liquid cooling inlet

### CE202 SERIES SPECIFICATIONS

<table>
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<th>Item</th>
<th>Specifications</th>
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<tbody>
<tr>
<td><strong>Output</strong></td>
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</tr>
<tr>
<td>Output Power</td>
<td>6.6kW</td>
</tr>
<tr>
<td>Nominal Voltage Range</td>
<td>200~430 Vdc</td>
</tr>
<tr>
<td>Output Current</td>
<td>0-20A</td>
</tr>
<tr>
<td>V2G Output Power</td>
<td>220V.ac</td>
</tr>
<tr>
<td><strong>Input</strong></td>
<td></td>
</tr>
<tr>
<td>Operating Input Range</td>
<td>85~265 VAC</td>
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<tr>
<td>Phase</td>
<td>Single Phase</td>
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<tr>
<td>Maximum Input Current</td>
<td>32A</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>45~70Hz</td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥0.995</td>
</tr>
<tr>
<td>Efficiency</td>
<td>≥88%</td>
</tr>
<tr>
<td><strong>Mechanical</strong></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td>Liquid</td>
</tr>
<tr>
<td>Dimension</td>
<td>350(W) x 370(L) x 110(H)mm</td>
</tr>
<tr>
<td>Weight</td>
<td>10kg</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40~70°C</td>
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<tr>
<td>Operating Ambient Temperature</td>
<td>-40~85°C</td>
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<td>-40~105°C</td>
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<tr>
<td>Relative Humidity (non-condensing)</td>
<td>≥85%</td>
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<tr>
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<td>≤2000m</td>
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<td><strong>Regulation</strong></td>
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<tr>
<td>Environment</td>
<td>IP67, IEC60068, CNS15454</td>
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<td>SAE J1772, IEC61851</td>
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<td>IEC 1000/IEC 801-2,3,4/IEC 255-4</td>
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<td>Short circuit protection</td>
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<td>Over voltage protection</td>
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<td>Under voltage protection</td>
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<td></td>
<td>Input Fuse over current protection</td>
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<td>Over load protection</td>
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<td>Output fuse over current protection</td>
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<td>Blue AC LED</td>
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<td>A/D Error</td>
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<td>EEPROM Error</td>
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<td>SRAM Error</td>
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<tr>
<td>Fan Fail (n/a)</td>
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<tr>
<td>100 % Charging Indicator</td>
<td>Green AC LED</td>
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<td><strong>Others</strong></td>
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<tr>
<td>Microprocessor Control</td>
<td>Self-diagnostic, internal parameters monitoring</td>
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<td></td>
<td>remote control information feedback</td>
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<tr>
<td>Control Loop</td>
<td>Voltage and current dual control loop</td>
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