

ZESBI Equipment Intake Form

Zero Emission School Bus & Infrastructure

Equipment Intake Form for Zero-Emission School Bus and Infrastructure (ZESBI) Project

Administered by the California Energy Commission

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ZESBI Equipment Intake Form

All charger providers must complete this form to request new technology be added to the electric vehicle supply equipment (EVSE) Approved Product List (APL) for Zero-Emission School Bus and Infrastructure (ZESBI) Incentive Project. ZESBI eligible EVSE types are Level 2, Direct Current Fast Chargers (DCFC), and Bidirectional DCFC. All chargers must meet the requirements below and each field must be filled out in its entirety. See [California Energy Commission's \(CEC's\) ZESBI Implementation Manual](#) (IM) for more details on the infrastructure requirements of this incentive project.

Company Name	
Company Address	
City, State, Zip Code	
Company Website	
Name of Contact at Company	
Email Address of Contact	
Company Phone Number	

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Charger Technical Requirements

To be eligible for ZESBI incentives, an EVSE must be on this ZESBI APL at the time the cost of the EVSE was incurred. See section 7.2 of the [California Energy Commission's \(CEC's\) ZESBI Implementation Manual](#) (IM) for more details.

For Electric Vehicle (EV) chargers using only conductive connectors, only Level 2, Direct Current Fast Chargers (DCFC) and bidirectional DCFC are eligible for ZESBI funding. The minimum power level for an eligible Level 2 charger under ZESBI is 19.2 kilowatts (kW).

All ZESBI EVSE:

1. Must be safety certified by a Nationally Recognized Testing Lab (NRTL) recognized by the U.S. Occupational Safety and Health Administration (OSHA). [See OSHA's complete list of NRTLs](#).
2. Must include a standard charging connector or interface with any of the following combinations:
 - a. At least 50% of Level 2 chargers shall include, at a minimum, a Society of Automotive Engineers (SAE) J1772 connector.
 - i. The remaining 50 percent may include either SAE J1772 or SAE J3400.
 - b. At least 50% of DCFCs shall include, at a minimum, a SAE J1772/Combined Charging System 1 (CCS1) connector.
 - i. The remaining 50 percent may include either SAE J1772/CCS1 or SAE J3400 connectors.
3. Must be Networked and support at a minimum:
 - a. Open Charge Point Protocol (OCPP) capable (EVSE installed after April 1, 2025, shall be certified for OCPP 2.0.1 or later).
 - b. Must be ISO 15118 Ready as defined in the CEC's [updated ISO 15118 recommendation](#).
 - i. Powerline communication based digital communication as specified in ISO 15118-3.
 - ii. Secure management and storage of keys and certificates using a hardware security module (HSM), SoftHSM, or similar technology.
 - iii. Transport Layer Security (TLS) version 1.2.
 - iv. Remotely receiving updates to activate or enable ISO 15118 use cases.
 - v. Connecting to a charging station management system (i.e. OCPP).

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- vi. Selecting the appropriate communication protocol requested by the Electric Vehicle (EV).

Bidirectional Direct Current Fast Chargers:

Bidirectional DCFC (if selected) shall also:

1. Be safety certified to UL 1741 Supplement B as a prerequisite for interconnection.
 - a. Applicants and Incentive Recipients must refer to the applicable IOU's interconnection tariff (Rule 21) for the latest requirements, IOUs set their own requirements.
 - b. This requirement does not apply to solicitations that are funding bidirectional chargers strictly for off-grid backup purposes.
2. Be ISO 15118-20 Ready. An EVSE is considered ISO 15118-20 Ready if capable of the following:
 - i. Powerline communication based digital communication as specified in ISO 15118-3.
 - ii. Secure management and storage of keys and certificates used with ISO 15118-2 and ISO 15118-20.
 - iii. Transport Layer Security (TLS) version 1.3.
 - iv. Remotely receiving updates to activate or enable ISO 15118-20 use cases.
 - v. Connecting to a charging station management system (i.e. OCPP).
 - vi. Selecting the appropriate communication protocol requested by the EV.

Equipment Intake

List new electric vehicle charging equipment model numbers and technical specifications below. Please also attach relevant NRTL certificates of testing as proof the EVSE adheres to the requisite standards and a specification sheet for each product as proof that the information entered in this form is true and correct.

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Brand	Model Number	Model Name	Charger Type (Level 2 AC; DCFC; DCFC V2G)	Max Power Output (kW)	Connector Type	OCPP 2.0.1	ISO 15118 Ready	Bidirectional Chargers		Notes
								ISO 15118-20 Ready + UL 1741 Supplement B Certified		
(Example only)	XYZ400-1	A123	DCFC V2G	40	SAE CCS	Operational + Capable	Yes	<input checked="" type="checkbox"/>	15118-20	V2G. 1-4 ports. Network Capable.
								<input checked="" type="checkbox"/>	UL 1741 Certified	
								<input type="checkbox"/>	15118-20	
								<input type="checkbox"/>	UL 1741 Certified	
								<input type="checkbox"/>	15118-20	
								<input type="checkbox"/>	UL 1741 Certified	
								<input type="checkbox"/>	15118-20	
								<input type="checkbox"/>	UL 1741 Certified	
								<input type="checkbox"/>	15118-20	
								<input type="checkbox"/>	UL 1741 Certified	
								<input type="checkbox"/>	15118-20	
								<input type="checkbox"/>	UL 1741 Certified	

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Next Steps

Please email schoolbusteam@calstart.org with this attached form, relevant certification and specification sheet. ZESBI staff will confirm receipt within 24-48 hours and get back to you with an approval or additional questions as needed within 10 business days. Please note that the Approved Product List published on the ZESBI website will be updated on a bimonthly basis until otherwise indicated by ZESBI staff and new technology will be added at the sole discretion of CEC and its administrators.

Signature

The undersigned hereby certifies to ZESBI Staff (i) that all the above information is true, correct, and accurate to the best of their knowledge, (ii) that the undersigned has been duly authorized by <"Company Name"> to execute and submit this information, and (iii) agree to notify ZESBI Staff within 30 calendar days should any of equipment listed above no longer comply with the codes and standards outlined in this document.

Printed Name:

Signature: