DS-50 Power Control Station

EVI's DS-50 is the Dependable and Simple model designed for your electric vehicle charging needs. The DS-50 is a safe, inexpensive model that requires minimum user interaction, optimized for fleet and residential applications.

Compatibility

The DS-50 is compliant with SAE-J1772 Electric Vehicle Conductive Coupling Recommended Practice the only charging standard supported by The California Air Resources Board for electric vehicle fueling.

Currently compatible with vehicles from Ford, Mazda, and Honda.

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EVI's DS-50 Specifications

The DS-50 is designed to minimize infrastructure costs for the residential and fleet user. A simple, dependable, conductive vehicle interface - The safest proven technology to give a reliable charge every time you plug in.

Primary functions include:

- √ Multiple levels of safety for the customer, the EV, and the charging equipment.
- √ Utility or residential Load Management ready.
- √ Industry standard compliance.
- √ Approved by all conductive auto-makers
- √ Long term durability

EVI is the leader in development and delivery of Electric Vehicle Power Control Stations. Every unit is individually tested and meets all codes and standards set forth for the industry. When you purchase an EVI product you can feel confident that you are buying a product that meets the highest standards for quality, safety, reliability and compatibility with all the production vehicles on the road.

The DS-50 is just another example of EVI's cutting edge performance meeting the needs of fleet and residential applications.

General Specifications

Service Entrance:

208V to 240V 60 Hz - 30 amp, single phase, 2-wire with ground.

Dimensions:

8"W x 8"H x 4"D — NEMA 3 Construction

Operating Temperatures:

-40°F (-40°C) to +140°F (+60°C)

Warranty period:

3-year parts, 3-year factory labor, 1-year field service

Features

External Charging and Fault Indicators:

You always know when your vehicle is charging, no guessing required.

Auto Reclosure and Restart:

Additional insurance that your vehicle will charge. The DS-50 comes with EVI's automatic reclosure which restarts charging after many interruptions which would shut down other systems leaving you without a charge.

Self Diagnostic LED's:

In the event of a fault, the unit allows a service technician to evaluate the problem and fix it quickly. Lights inside the unit diagnose the problem, whether it's the vehicle, the charge station or the electric supply.

Cold Load Pickup:

Time delayed and randomized to allow re-energizing of unit following power outages.

External Load Management Input:

Allows external control of the unit. An entire fleet can be hooked to one common time clock or a fleet manager's computer to control load management. Residential users can take advantage of off-peak electricity rates setting an external timer (not included) to charge at night.

Remote Error Indicator:

Allows you to be notified when there is an error. The signaling mechanism can be a remote signal off-board the station(s) fed to a visual, audible or even a paging device.

Codes, Standards and Recommended Practices

NEC 625 -	EV Charging System Equipment
SAE-J1772 -	EV Conductive Charge Coupling
UL 2202 -	Charging Station Safety
UL 2231 -	Personal Protection Device (i.e., ground fault hardware)
UL 1998 -	Standard for Safety Related Software.

Other EVI Products

ICS-200B

EVI's flagship model with all the features you would ever need: Voice notification, off-peak charging, kWhrs used, event logging and many others.

DS-200-DL

Dual charging unit for fleet and public infrastructure, charges two vehicles simultaneously or sequentially.

Cord Management System

Either free standing or as a retrofit to existing EVI installations, manages up to four cables and connectors.

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