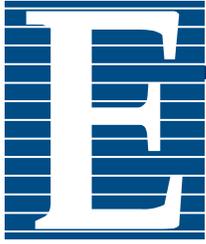


# ICS-200-B INTELLIGENT CHARGING STATION



VI's family of user friendly charge stations continue with the introduction of its newest member, the ICS-200 "B" version Power Station. The

"B" version has the same feature rich interior components as the "A" version, but with a new lighter cost-reduced plastic exterior. This unique unit is designed to meet all standards including NEC 625, UL 2202, and SAE-J1772 Electric Vehicle Conductive Coupling Recommended Practice. The SAE -J1772 conductive standard is utilized by the majority of the major OEM's including BMW, Chrysler, Ford, Honda, Mazda, Mercedes, Toyota, as well as other OEM's worldwide such as Fiat, Peugeot and Solectria.

EVI's technology is continuing to prove itself in hundreds of working installations across the globe, meeting the standards recognized by industry leaders. EVI has accumulated a wealth of success, with engineering design and cost effective equipment specifically tailored for this new burgeoning industry. EVI is proving itself with utilities, the automotive industry, government agencies, and the private sector by developing the safest and easiest to use infrastructure products for the fleet, public and residential applications.

EVI is unique in its qualifications, experience and expertise. No company is more committed to making the electric vehicle a real practical alternative to present day hydrocarbon vehicles. Its our business, our only business. When you make the switch to electric, make it simple, safe and reliable. Take the first step with EVI.



ELECTRIC VEHICLE INFRASTRUCTURE, INC.  
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Call Your Local Representative:

# WHAT IS AN ICS-200 POWER STATION?

The purpose of the ICS-200 is to provide the EV user with a safe and manageable link between the power grid and the EV. Electric power is the fuel for EV's and the ICS-200 Power Station is designed to safely manage the dispensing of this new fuel.

## Primary functions include:

- Multiple levels of safety for the customer, the EV, and the charging equipment
- Automatic load shifting to off-peak hours, plus demand charging
- Industry standard compliance, including SAE - J1772, UL 2202, UL 1998, FCC, and NEC Article 625. Approved by all conductive OEM's
- Long term durability

The ICS-200's unique voice announcer puts the user at ease with its no hassle, trouble-free operation. There is no need to read directions, ... it tells you automatically. No need to check if the connection is made properly, ... it does it automatically. No need for that nagging worry, wondering if it's in the off-peak mode for optimized low-cost utility fees, ... it does it automatically. No need to perform diagnostics, and how does it do this? ... automatically. This is the ICS-200 concept! It is a friendly, "walkaway and forget about it" unit that will alert you at the first sign of trouble. The ICS-200 Power Station is a microcomputer based unit, built with the modern user in mind. It is simple, elegant, and robust enough to handle any of today's needs.

EVI provides the user with an easy to use, attractive, and unquestionably safe station, engineered to meet a variety of commercial and consumer requirements. EVI's re-programability assures the flexibility necessary to follow this new industry's evolution and growth.



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## General Specifications

### Service Entrance:

208V or 240V - 40 amp (60 amp optional), single phase, 3-wire, with ground

### Dimensions:

18" W x 12" H x 6" D — NEMA 4 Construction

### Operating Temperatures:

-40°F (-40°C) ~ +140°F (+60°C)

### Warranty period:

3 year labor / 3 year parts warranty

## Features

### VOICE ANNOUNCER:

Simple user friendly voice interface.

### UL 2231 - PERSONAL PROTECTION SYSTEM:

Ground fault protection with fully automatic digital re-programmability, with auto-closure, no manual testing.

### GROUND MONITORING CIRCUIT:

Constantly checking for presence of proper safety ground.

### COLD LOAD PICKUP:

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

### EXCESSIVE STRAIN DETECTION: (NEC 625-19)

Safely removes power if cable is strained.

### PULL-FREE CABLING SYSTEM:

Pulls cable free of unit if vehicle rolls away.

### WATT HOUR METER AND DATA LOGGING:

Historic data collection, i.e.: counting connections made, power consumption information, logging the most recent errors, and additional miscellaneous information.

### CONTACTOR MONITORING CIRCUIT:

Constantly checking contacts for early signs of failure.

### EXHAUST FAN CONTROLS: (NEC 625-29)

Energizes exhaust fan when vehicle requires it. (if applicable)

### PRECONDITIONING:

Thermal regulation of the battery pack and cabin preconditioning without vehicle charging. (if vehicle capable)

### HARDWARE EXPANSION CAPABILITY:

Have comfort knowing if you want to add future needs in a changing market such as UL 2293 Data Communications. There is no need to replace the present unit...just add a module!

## Options

### FIELD INSTALLATION & CONFIGURATION SYSTEM: (FICS)

Service installation software interface for re-programmability, data collection and diagnostics.

### PORTABLE ELECTRONIC TESTER: (PET)

For field inspection testing and complete diagnostics at installation when vehicle is not present.

### PEDESTAL

Single or duplex configurations.