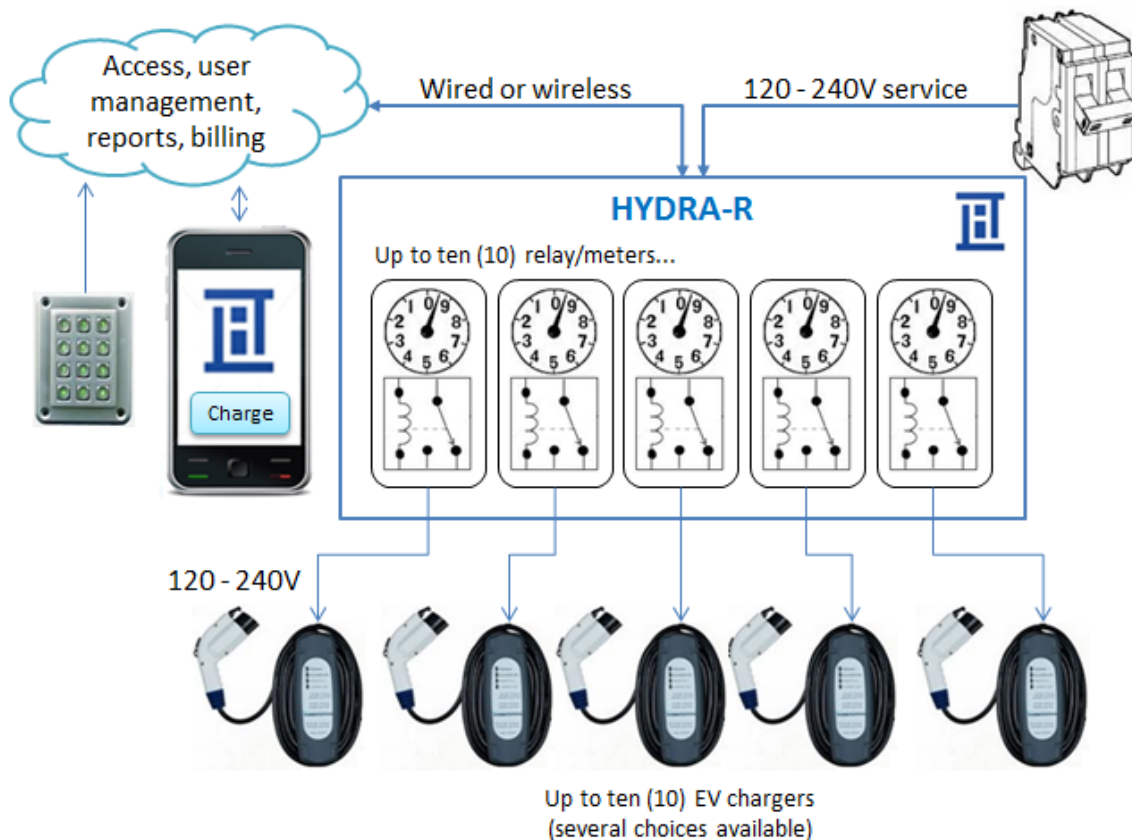![Liberty PlugIns logo]

HYDRA-R

EVSE Control System

Adds Access Control, Metering, Reporting and Energy Management to Basic Electric Vehicle Charging Stations

The Liberty PlugIns' HYDRA-R EVSE Control System enables building owners and property managers to offer electric vehicle charging to their employees, tenants and staff without having to purchase expensive networked chargers or join a public charging network. HYDRA integrates access control, data recording, load management and communications into a single unit that controls up to ten (10) basic, non-network chargers. Consolidating these components and using basic charging stations reduces overall system cost and increases reliablity. Equally as important, Liberty PlugIns is not a public charging network and our clients have complete control of all aspects of their EV charging operation including pricing and billing. The HYDRA-R EVSE Control System enables the creation of cost effective and economically sustainable EV charging infrastructure for workplaces, residential multi-unit dwellings, mass transit parking and fleet facilities.
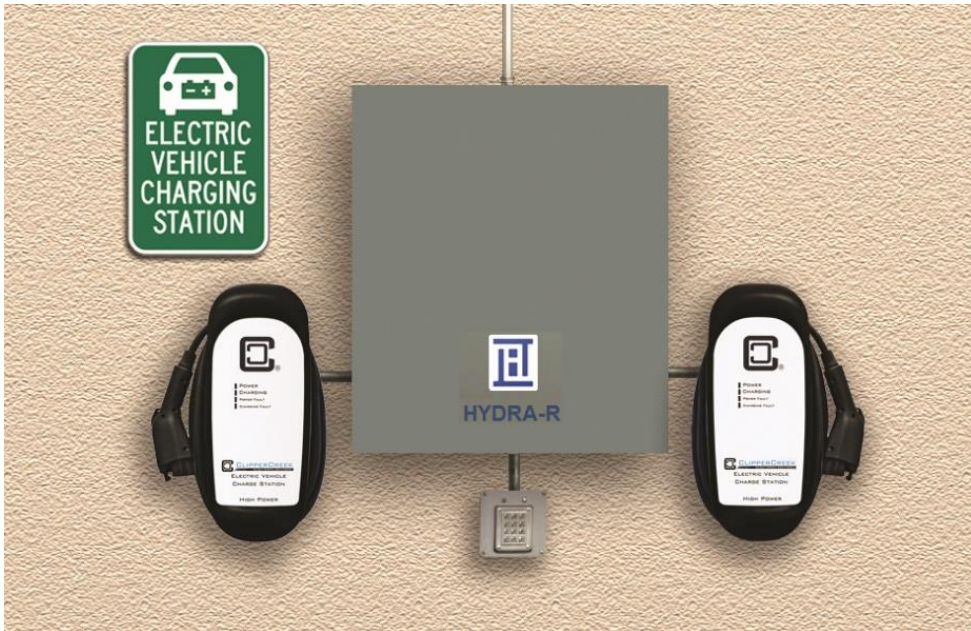
HYDRA-R FEATURES:

- **No proprietary billing network or memberships required**
- **Easy access to all your data**
- **Simple user management and usage reporting via a Web browser**
- **Your choice of access control methods, including numerical access codes, web browser and mobile app**
- **Simple-to-service modular components**
- **Load management capabilities to help you avoid Peak Demand Charges**
- **Supports Automated Demand Response and OpenADR 2.0b**
- **Compliant with the Open Charge Point Protocol (OCPP) rev 1.5**

PART NUMBERS:

HYDRA-R Components	
Part	**Description**
HCU-05	Hydra R5 Controller Unit and enclosure
HCU-10	Hydra R10 Controller Unit and enclosure
HKU	Hydra Keypad Unit and enclosure
RMM	Hydra Relay Meter Module (1 required for each charging station)

Available HYDRA-R Services

Access Control

HYDRA makes it easy for business owners, property managers and fleet operator to control access to their chargers and generate usage reports. Drivers are assigned personal identification numbers (PIN) that identify either the driver or the vehicle. Drivers enter their PIN on a keypad located near the charging stations along with the station number and this starts the charging session. Alternately the driver can start a session remotely by logging onto our website and entering the same information.

For HYDRA owners who want to allow the general public to use their stations, Liberty has an app that enables drivers to start charging sessions with their smartphone. Liberty also offers an optional PayByMobile billing service for owners who need to recoup the cost of energy. See the below for more info.

NOTE: Fleet managers can use HYDRA-R data to run reports by vehicle as well – ask your Liberty Access Technologies representative about "EV Data Share."

Billing Services

Because "free" charging often leads to abuse, business owners and property managers use pricing to ensure their stations are available to those who need it most. Liberty PlugIns lets you choose:

- Do-it-your-self billing using simple usage reports
- Direct Billing – LAT bills employees and tenants on your behalf.

Pay-by-Mobile

Liberty offers a free app that enables EV drivers to purchase charging sessions with their smartphone. Liberty collects the fees and sends them to system owners. The Liberty HYDRA app is available for iOS and Android phones.

Specifications

- Hydra Relay Meter Modules (RMMs): 120/240VAC, 40 Amperes Maximum, Single Phase, 60 Hz.
- Internal control circuit on each branch circuit: 120VAC, O.5 Amperes Maximum, Single Phase, 60 Hz.
- 14-gauge steel enclosure is 36" x 30" x 8" (NEMA/EEMAC Type 4, 12, & 13)
- HCU-10 with ten RMM modules weighs approximately 100 lbs.
- Communications interface provided via cellular or wired Ethernet.