

# COSMOS Enabled HCS



**COSMOS  
option**

**Introducing the COSMOS expanded functionality card for the HCS Series.** ClipperCreek's HCS charging stations are now offered with an optional UART serial communication and digital load management interface. COSMOS was designed to simply integrate HCS charging stations with building energy management or other third party monitoring and control systems.

- Easily add EV charging to existing building and energy management infrastructure
- Control charging power levels, view station status, monitor vehicle connected status
- Digital load management interface for simple integration
- UART serial communications interface for advanced integration



**CLIPPERCREEK**

A division of Enphase Energy, Inc.

### Digital Load Management Interface:

Perfect solution for simple integration to building energy management or other load control systems.

- Four levels of power control (100%, 50%, 25% and 0%)
- Two Optically-coupled Open Collector outputs: one pulled low when EVSE makes power available to a vehicle (max rating 24V DC, 5mA) and one pulled low when vehicle is connected
- **ChargeGuard** Access Control option supported

### Optically-coupled UART Serial Communications Interface:

Perfect solution for developers or advanced integration with building energy management and other load control systems.

- 3.3V - 5V CMOS-compatible UART
  - Integrates easily with FTDI USB TTL Serial Cable
  - Requires 3.3V - 5V, 20mA DC supply
- Protocol document available upon request
- Available serial commands include:
  - Five levels of power control (100%, 75%, 50%, 25%, and 0%)
  - View vehicle connected status - monitor if a vehicle is currently connected to the station or if the station is available for use
  - View EVSE active status - monitor if the station is making power available for charging
  - View advanced EVSE diagnostic information to determine fault status remotely
  - Control up to two user-supplied external LED lights (sources 8mA each)

## MULTIPLE CONFIGURATIONS

	MODEL:	HCS-40	HCS-50	HCS-60	HCS-80
CIRCUIT BREAKER RATING:		40A	50A	60A	80A
MAXIMUM CURRENT:		32A	40A	48A	64A



### RUGGEDIZED OPTION AVAILABLE

#### HCS-40R, HCS-60R and HCS-80R

- 5-year warranty
- Impact and crush-resistant SAE J1772 connector
- Type 4X watertight and corrosion resistant rubber over-molded EV connector
- Available for hardwired installations

### ACCESS CONTROL OPTION AVAILABLE

**ChargeGuard** Reliable key-based access control designed for fleet, workplace, multi-tenant, hospitality and residential charging.



Ask about our variety of pedestal mounts!