

COSMOS® Enabled EV Series

Integrate monitoring and control systems



COSMOS OPTION

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

- Compatible with the 32 - 48 Amp EV Series
- 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
- Electrician can install indoors or out



SUN COUNTRY
HIGHWAY

BRINGING SUSTAINABILITY TO LIFE

www.electrumcharging.com

evCHARGER COSMOS ENABLED



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%)• Optically-coupled Open Collector output - pulled low when EVSE makes power available to a vehicle (max rating 24V DC, 30mA)
- 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
- Protocol document available upon request

3.3V - 5V CMOS-compatible UART

- Integrates easily with FTDI USB TTL Serial Cable
- Requires 3.3V - 5V, 20mA DC supply

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 15mA each)



EV SERIES CHARGERS

The EV Series is the most versatile and affordable, high power line of chargers from Sun Country Highway. Designed to take the wear-and-tear of everyday use, with a weatherproof NEMA 4 enclosure. Perfect for home or commercial installations with 60 amp and 40 amp options. Unit comes complete with 25ft of charging cable.

The EV Series Ruggedized 'R' Models - The convenience of the EV Series with a rubber over-molded connector, field-replaceable latch, and a five-year warranty.

Model	EV40	EV40P	EV60	EV40R	EV40PR
Circuit Breaker	40A	50A	60A	40A	50A
Continuous	32A	32A	48A	32A	32A
kW	7.7	7.7	11.5	7.7	7.7
Warranty	3 Year	3 Year	3 Year	5 Year	5 Year
Installation	Hardwired	Plug-In NEMA 14-50	Hardwired	Hardwired	Plug-In NEMA 14-50



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QUESTIONS/INQUIRIES

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