



HCS with COSMOS

COSMOS is an optional feature that enables UART serial communication and a digital load management interface through a wired conduit. COSMOS allows integration of the charging station with building energy management or other third party monitoring and control systems.

How to Use:

The pre-wired secondary conduit comes with either an 8-wire or 15-wire interface. This conduit can be wired to an existing building access control or other third party access control system to enable the key features of these COSMOS units. The conduits from 2 COSMOS units can also be wired to each other to enable the Share2 feature. Please refer to the Optional Features manual or call for further details.



Key Features:

Digital Load Management Access Point (COSMOS) – Connect to a third-party load management system for four levels of power control (100%, 50%, 25% and 0%).

Digital Access Control (ChargeGuard EX) – Restrict access to the charger with a simple interface that connects to the existing control system. Only available with 15-wire COSMOS.

Optional Load Sharing (Share2) – Ease circuit breaker restrictions by letting 2 EVSEs share power from a single circuit breaker. 50% power provided to both units when both in use, 100% power when only single charger is used.

Optically - Coupled UART Serial Communications Interface – View vehicle connected status & monitor if a vehicle is currently connected to the station. Five levels of power control (100%, 75%, 50%, 25%, and 0%). View advanced EVSE diagnostic information to determine fault status remotely.



PRODUCT SKU	PRODUCT DESCRIPTION
HCS-40-C13-L25-A140-144	32 A/24 A/16 A/08 A charging, 240 VAC, 10AWG service, 25' 10AWG J1772 connector with load management interface (COSMOS 8-wire conduit)
HCS-40R-C17-L25-A141-170	32 A/24 A/16 A/08 A charging, 240 VAC, 10AWG service, 25' 10AWG ruggedized J1772 connector with load management interface (COSMOS 15-wire conduit)
HCS-50-C13-L25-A140-145	40 A/30 A/20 A/10 A charging, 240 VAC, 10AWG service, 25' 10AWG J1772 connector with load management interface (COSMOS 8-wire conduit)
HCS-60-C16-L25-A130-163	48A/36A/24A/12A charging, 240VAC, 10AWG service, 25' 10AWG J1772 connector with load management interface (COSMOS 8-wire conduit)

Email us: evcharger-comm@enphaseenergy.com