

# Technical datasheet



## EVduty

SMART HOME EVC30 SERIES

ELECTRICAL VEHICLE SMART  
CHARGING STATION LEVEL 2

## SMART HOME CHARGING

The EVduty EVC30 series is a Level 2 Electric Vehicle Charging Station. Its primary function is to send electrical power to an Electrical Vehicle that is equipped with the SAE J1772 Electric Vehicle connector. Here are the main parts of the product














Figure 1: EV Charging station

- A SAE J1772 Connector's Release Button
- B SAE J1772 Electric Vehicle Connector
- C Main LED

- D Enclosure
- E 240V input connector
- F Electric Vehicle Charging Cable

***EV Duty Smart Home Features:***

Adjust the maximum output current of charging station to 8A, 12A, 20A, 24A, 28A or 30A	
“Plug and Go feature” Vehicle charging session begins when connector is plugged into vehicle (no access control to charging)	
Charging session begins when connector is plugged into vehicle and user is authorized (access control to charging)	
Wi-Fi connectivity through EV Duty mobile application	
Start/Stop charging session using ED Duty mobile phone application	
View charging session data in real time using EV Duty mobile application	
Create/Add/Modify charging station	
Create/Add/Modify a private charging terminal	
Configure “power sharing” function	
Manage access to private charging terminals via driver invitations.	
Display charging sessions history and other events on a specific charging terminal.	

Model

## EVduty Basic Charger



### INPUT VOLTAGE

208-240VAC single phase, 30A

### INPUT CONNECTOR

NEMA 6-50P  
NEMA 14-50P (optional)

### ENCLOSURE ENVIRONMENT RATING

UL/CSA NEMA types 3R.

### PERSONAL PROTECTIONS

Ground Monitoring; Charge Circuit Interrupting Device with 20mA threshold (CCID20)

### DIMENSIONS (LENGTH X WIDTH X DEPTH)

330 mm x 165 mm x 60 mm (13,00" x 6,50" x 2,50")

### OUTPUT CONNECTOR

SAE J1772, choice of 2 different output cable length:  
4.6 m (15'), 7.5 m (25')

### OPERATING TEMPERATURE

-40 °C to 40 °C

### STORAGE TEMPERATURE

-40 °C to 80 °C

### WEIGHT

4.5 kg (10 lbs)



# Technical specifications

## EVduty

EV Duty offers a Canadian made Level II 30A output networked charger to suite your residential, multi residential, or fleet applications. Its robust construction and elegant design allows you to integrate into any environment seamlessly offering a compact and powerful charging solution.

Charging is available in single, dual port, wall and pedestal mounted configurations allowing you to service any stall configuration. A 25ft cable assembly with J1772 configured connector lets you charge any EV manufactured in North America including Tesla. At 30A amps of output this charger offers 7.2kW per hour of charging giving you increased charging times allowing you more freedom to utilize your EV with a topped-up battery!

EV Duty Smart Home utilizes your local area Wifi network to manage the charging station/stations. Features like adjusting current output, "Plug & Go feature", start and stop charging sessions from mobile app, view charging session data in real time, power sharing and the ability to control who uses the station. Best of all these features come with no network fee cost to station owners.

We offer a complete solution from local support and inventory, supply and installation as well as web-based sales to better service your EV charging needs.



Please Contact us with any questions:

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