

Technical Datasheet

ELECTRICAL VEHICLE CHARGING STATION LEVEL 2

EVC30T/EVC30T-IN



OVERVIEW

The Elmec Inc. **EVC30T/EVC30T-IN** is a Level 2 Electrical Vehicle Charging Station. Its primary function is to send electrical power to an electric vehicle that is equipped with the SAE J1772™ Electric Vehicle connector. There are different models of this charging station:

MODEL 4

Can be used in wet location (UL/CSA type 3R, 4, 4X enclosure)

25' (7.6 m) Output Cable SAE J1772™

30A Output Current (40A circuit breaker)

Electrical installation require a junction box

Fixed and permanent installation

MODEL 5

Can be used in wet location (UL/CSA type 3R, 4, 4X enclosure)

25' (7.6 m) Output Cable SAE J1772™

30A Output Current (40A circuit breaker)

Electrical installation with a NEMA 6-50P 240V plug on input cable

Portable model, non-permanent installation

MODEL 30

Can be used in wet location (UL/CSA type 3R, 4, 4X enclosure)

15' (4.6 m) Output Cable SAE J1772™

30A Output Current (40A circuit breaker)

Electrical installation require a junction box

Fixed and permanent installation

MODEL 31

Can be used in wet location (UL/CSA type 3R, 4, 4X enclosure)

15' (4.6 m) Output Cable SAE J1772™

30A Output Current (40A circuit breaker)

Electrical installation with a NEMA 6-50P 240V plug on input cable

Portable model, non-permanent installation

PARTS LIST



A	NEMA 6-50P 240V connector (optional)
B	Unit transport handle
C	Enclosure
D	SAE J1772™ electric vehicle connector
E	SAE J1772™ connector's release button
F	Electric vehicle charging cable

WARNING !!!

DO NOT REMOVE THE BOLTS THAT HOLD THE ALUMINUM HANDLE ONTO THE ENCLOSURE OF THE CHARGING STATION

Figure 2.1: Electric Vehicle Charging Station (EVC30T Portable version shown)

SPECIFICATIONS



Input voltage

208-240VAC single phase, 30A Level 2 EVSE



Input connector

NEMA 6-50P (models 21, 31, 5 and 7);
wall-mount junction box connection
(models 4 and 30)



Output connector

SAE J1772™
choice of 3 different cable lengths: 15' (4.6 m), 18' (5.5 m), 25' (7.6 m)



Operating temperature

-40 °C to 40 °C



Storage temperature

-40 °C to 100 °C



Dimensions (Height x Width x Depth)

(17" x 10" x 4 1/4")



For outdoor use

Models 4, 5, 30 and 31
(UL/CSA enclosure Type 3R, 4, 4x)



Weather resistant

All models



Weight

4.5 kg (10 lb)