INJECT RENEWABLES

DATASHEET- ELECTRIC VEHICLE SUPPLY EQUIPEMENT (EVSE)

Document Name	**Electric Vehicle Supply Equipment Datasheet**
Hardware Name	**EVSE**
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1. Introduction

Electric Vehicle Supply Equipment (EVSE) comprises the essential hardware and software elements required to establish a connection between an electric vehicle (EV) and an electricity source which control the charging procedure.

When an electric vehicle is connected to an EVSE, it initiates the transfer of electrical power from the grid, which is subsequently converted and directed toward the vehicle's battery. This process facilitates swift and regulated charging, guaranteeing the efficient and secure recharging of the EV's battery.

Localized in India and **aligned with the PLI scheme for fame subsidy**.

2. Specification of EVSE

Parameters	Specifications
Input Voltage Range	70 to 265 Vac
Output Power	3.3 kW
Charging Standard	IEC-61851
Charging Protocol	CCS, Type-2 plug
Connection Point	IEC-62196-2, Type-2
AC Input Plug	Type M, 15 Amp (Indian) & 16 Amp (IEC-60309)
Charging Mode	Mode-2
RCD	AC (30 mA), DC (6 mA)
Communication Interface	IEC-62752, IEC-61851
Protection Level	IP67
Operating Temperature	-20 ^{0} C to +55^{0} C

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