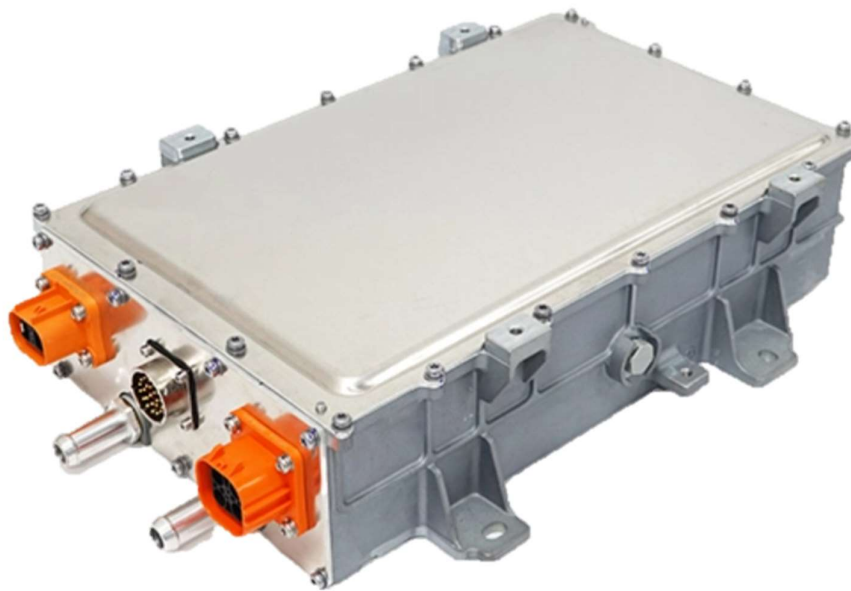




# INJECT RENEWABLES

## DATASHEET- EV CHARGER



<b>Document Name</b>	<b>EV Charger Datasheet</b>
<b>Hardware Name</b>	<b>EV Charger</b>
<b>Document Number &amp; Revision</b>	<b>IS-HW-EV-CGR-DS-001, Rev-0 (2 pages)</b>
<b>Document Type</b>	<b>Public</b>
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## 1. Introduction

The charger serves as the crucial link between the vehicle and the public grid, responsible for converting AC grid energy into the DC voltage required for the vehicle's battery. Our charger is equipped with the capability to manage and regulate both the current and voltage during the charging process, operating in a Constant Voltage and Current Control Mode. This precise control not only ensures efficient charging but also extends the lifespan of the high-voltage (HV) battery.

At Inject Solar, we are committed to a continuous cycle of innovation aimed at producing chargers that are not only highly efficient and reliable but also compact and cost-effective. These chargers are designed to accommodate various power levels, making them well-suited for the diverse grid conditions found in India.

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

## 2. Specification of Charger

Parameters	Specifications
Input Voltage Range	85 to 265 Vac
Output Voltage Range	42 - 60Vdc
Power factor	≥0.99
Maximum Output Current	50 Amp.
Operating Frequency	47 – 60 Hz
Output Power	3 kW
Efficiency	>92%
Features	CC-CV mode
Protection Level	IP67
Standards	ISO7637, AIS004
Operating Temperature	-20 ° C to +60° C

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