



**TIREX**  
Powering Growth

# 7.2kW

## Portable EVSE



# TECHNICAL SPECIFICATION

## A. Electrical Specifications

Parameters	Description
Mode of Charger	Mode 2 (As per IEC 62752 & IEC 61851)
Level of Charging Voltage	Level 2: 240V
Type of Output Connector	7 Pin AC Charging Port-Type 2 (IEC 62196) for AC
Energy Transfer Mode	Conductive
Input AC Supply	1 Phase, 3 wire system (1L(Ph)+N+PE)
Input Voltage Range	130-280 VAC
Input Frequency	50Hz ±5%
Input Connector	Type 3 Pin Industrial Socket (1L(Ph)+N+PE) as per IEC 60309-1
Output Nominal Voltage	230V AC
Maximum Output Current	32A AC
Communication between EVSE and EV	As per IEC 61851-1
Output protection	Over Current, Short Circuit, Over Voltage, Under Voltage, Ground fault, Surge protection, Over Temperature, Earth Leakage protection, Residual Current Detection



## B. Mechanical Specifications - Type 2 Plug

Parameters	Description
Max preferred dimension	As per IEC-62196-2
Mating cycles	> 10000 Cycles
Insertion force	As per IEC-62196-2
Withdrawal force	As per IEC-62196-2

## C. Environmental Conditions

Parameters	Description
Ambient temperature	(-25°C) to 55°C
Storage temperature	(-40°C) to 85°C
Altitude	3000m (normal) and 5400m (specific regions)
Humidity	85% RH
Ingress Protection	IP65 for IC-CPD, IP55 for Type 2 plug unmated condition with dust cap & IP54 Type 2 plug mated condition
Cooling Mode	Natural Cooling

## D. Cable Specifications

Cable Description	Cross Sectional Area (sq. mm) (As per IEC 62196)
Phase (L1)	6
Neutral (N)	6
Protective Earth (PE)	6

## E. User Interface

Parameters	Description
EVSE Type	Portable
Cable length	5000 mm
Visual Indicators (Status LED)	Presence of input supply indication, Error Indication, Charging indication

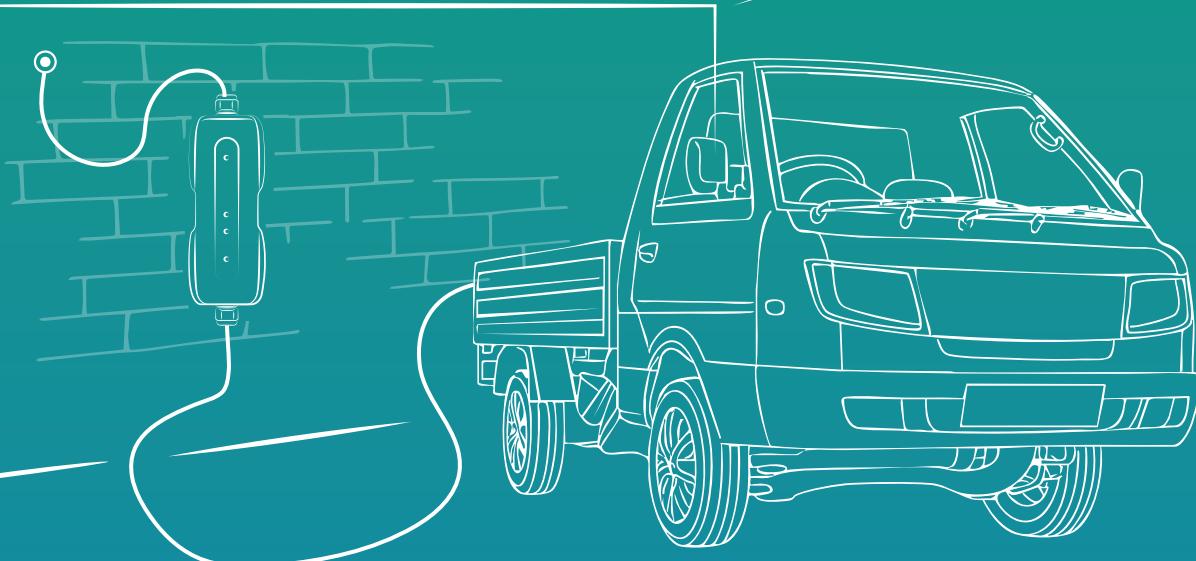


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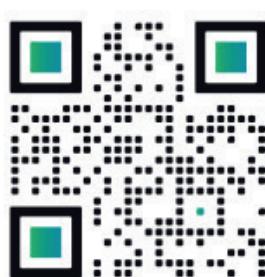


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