Spin Free

User Manual

3.3 kW AC EVSE

Pocket-Sized EV
Charging Power

Charge Anywhere,
Carry Everywhere

spin | exicom

Take total control over your charging

The Spin Free ICCPD – a rugged, portable EV charger crafted for India's homes and roads. Small enough to fit your trunk, tough enough for monsoons and heat, it keeps your ride charged, wherever life takes you

Everything you might be asking for

- Weatherproof IP67 rating. Built for India's toughest days
- Global appeal, local fit with universal compatibility.
- 3.3kW fast charging, ready for the road.
- Complied with IS17120 , with RCD(30mA AC + 6mA DC)
- Type D inlet plug temperature sensing and protection
- Eco-certified materials
- Very high voltage surge capability
- Wide temperature range - up to 50 deg C
- High quality cable and type 2 charging plug
- Visual Status Indicator LEDs

EXICOM OVERVIEW

Founded in 1994, Exicom Tele-Systems is a company which operates in 3 key business area around vertical markets of EV Chargers, telecom and storage systems. We are a vertically integrated company with over 20 years of experience in designing, engineering and manufacturing products and solutions for need of today and future. Our corporate office and manufacturing facilities is in Gurgaon (Near to New Delhi).

EXICOM's EV Chargers are equipped with high efficiency rectifier/SMR modules. We have EV solutions system configurations ranging from 1.1kW to 600kW. These EV chargers provide regulated power to electric vehicles. These EV chargers support all types of charging protocols available worldwide.

Our EV Chargers are equipped with state-of-art technology controller cards with user friendly LCD displays.

All the EV systems are housed in a cabinets and because of the modularity of the whole architecture the system is extremely flexible. A variety of combinations can be worked out to serve any kind of requirement and provision for future expansion.

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CONTENTS

SECTION 1: INTRODUCTION

1.1 Preface

This document is valid User Manual of the EVAC Spin Free Charger Type-2 3.3kW.

The pictured devices used in this document are visual examples. The figures and explanations contained in this document refer to a typical device design. The devices used by you may differ in their appearance.

We recommend always keeping the charging station updated to the most recent software version, as this contains functional enhancements and product improvement.

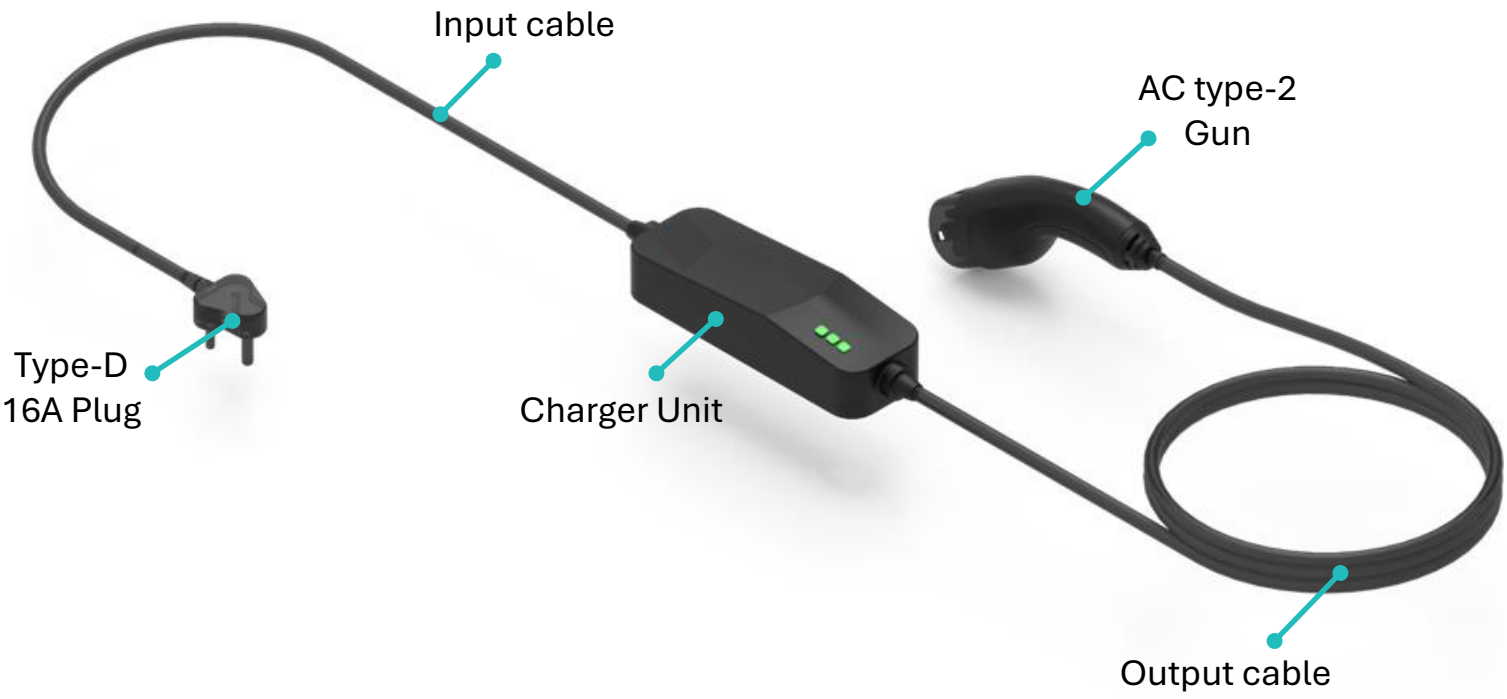
1.2 Purpose of this document

The document describes the User Manual of the EVAC Spin Free Charger Type-2.

Note: *This document includes the latest information available at the time of printing. Exicom Tele-Systems Ltd. reserves the right to make changes to this manual or product without further notice. Changes, modifications, or repairs to this product by parties other than an authorized service provider could void the product warranty.*

1.3 Introduction of Charger

EVAC charger solution is Exicom's most innovative design and a true representation of interoperability. The system has one type 2 AC connector.



SECTION 2: SAFETY MEASURES & INSTRUCTIONS

EVAC Spin Free Charger Type-2 complies with the IEC Safety Standard. All the components used in the charger are certified. The charger complies with all the norms as per the safety standard. For user safety, all charging stations are equipped with a ground fault detector to reduce the risk of shock.

Users are never exposed to dangerous voltages or currents since connector pins are not energized until the connector is inserted properly in the EV charging socket and communication has been established between the vehicle and the charging station. Besides, the connector is sealed to protect the live components from the weather.

2.1 Representation of Safety Instructions

At various points in this document, you may notice notes and precautionary warnings regarding possible hazards. The symbols used have the following meaning:

Danger :
Indicates an imminently hazardous situation, which will result in death or serious bodily injury if the corresponding precautions are not taken.

Attention
This means that damage to property can occur if the corresponding safety measures are not taken.

ESD
This symbol reminds you of the possible consequences of touching electrostatically sensitive components.

Ground Protection
his symbol reminds you that the equipment is properly grounded.

2.2 Prohibited Areas

Any non-company’s technical personnel or non-company's authorized technical personnel do not open the cover, otherwise, you will have the risk of electric shock and lose the warranty qualification.

2.3 Safety Precautions

- Make sure that the equipment is well-grounded to avoid electric shock before opening the equipment.
- Do not modify, add, or alter any part of this product without consulting the backend team.
- Please make sure the input voltage, frequency and other conditions have conformed to equipment requirements before power on.
- To ensure the service life of the equipment and stable operation, the equipment shall not be used in volatile gas or flammable environment.

2.4 Do's & Don'ts

✅DO's

- Read and understand all safety instructions before using the charger.
- Plug the charger only into a grounded AC power outlet with appropriate ratings (230V, 16A).
- Check for any visible damage to the cable, plug, or connectors before each use.
- Use the charger in a dry environment. Avoid exposure to rain, snow, or excessive moisture.
- Connect and disconnect the charger gently. Always hold the plug—not the cable—when unplugging.
- Store the charger in a clean, dry place.
- Disconnect the charger from the vehicle and power supply after charging is complete.
- Ensure compliance with local electrical and EV charging regulations.

❌DON'Ts

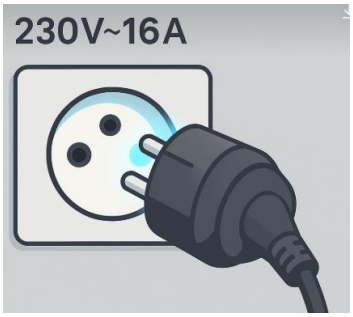
- Never use the charger if the cable, plug, or connectors are damaged or frayed.
- Any modifications or repairs should only be performed by qualified service personnel.
- Plug the charger directly into a dedicated outlet. Avoid using extension cords or multi-plug adapters.
- Never immerse any part of the charger in water or other liquids.
- Avoid using the charger in explosive or flammable atmospheres.
- If the plug or vehicle inlet resists connection, do not force it. Check for obstructions or compatibility issues.
- Do not place any object or cloth over the charger while it is in use.
- Avoid using the charger in extreme temperatures beyond the rated range.
- Avoid using the charger in locations where the power supply is unstable or unregulated.

SECTION 3: TECHNICAL SPECIFICATIONS & RATINGS

3.1 Technical Specifications & Rating

Maximum Output Power Rating		3.3 kW
Power Output	DC Output Voltage Rating	165-275 VAC
	Maximum Output Current	13A / 16A
	Output Plug	IEC 62196-2 Type-2
	Number of Plug	1
	Charging Mode	2
Mains Input	Input Voltage (nominal)	230 VAC
	Input Voltage Range	165 to 275 VAC
	AC Wiring	1 Phase / L1,N,PE
	Input plug type	Type-D 16A IS 1293
	Input Frequency (nominal)	50Hz (± 3%)
	Input Frequency Range	47 - 53Hz
Protection & Safety	Designed as per	IS 17120
	Residual current detection	30mA AC + 6mA DC
	Insulated Test between insolated terminals	R>2Mohm
User Interface & Comms	EVSE & EVCC	IEC61851-1 Annexure A
Mechanical	Ingress Protection	IP 67
	Dimension (H*W*D)	260*73*59 mm
	Charging Cable Length	5 m
	Material	Polycarbonate + ABB (UL94 V-0)
	Cooling	Natural Cooling
Environmental	Operating Temperature	-30°C to 50°C
	Storage Temperature	-40°C to 75°C
	Altitude	4,000 Meters
	Humidity (Non-condensing)	5% to 95%

3.2 Charging Flow

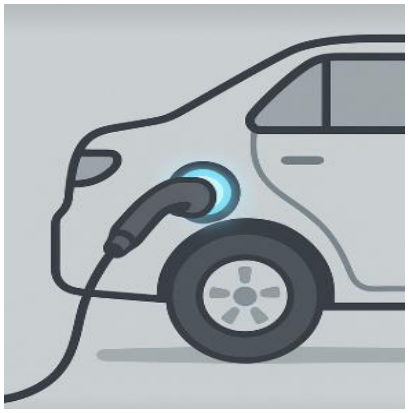


STEP 1:

Connect Charger to AC Supply, 230VAC 16A

STEP 2:

Wait for solid blue LED before plugging into the vehicle

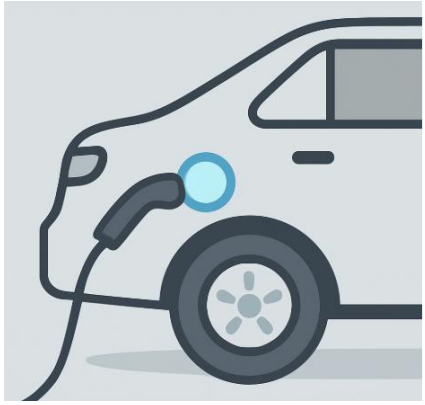


STEP 3:

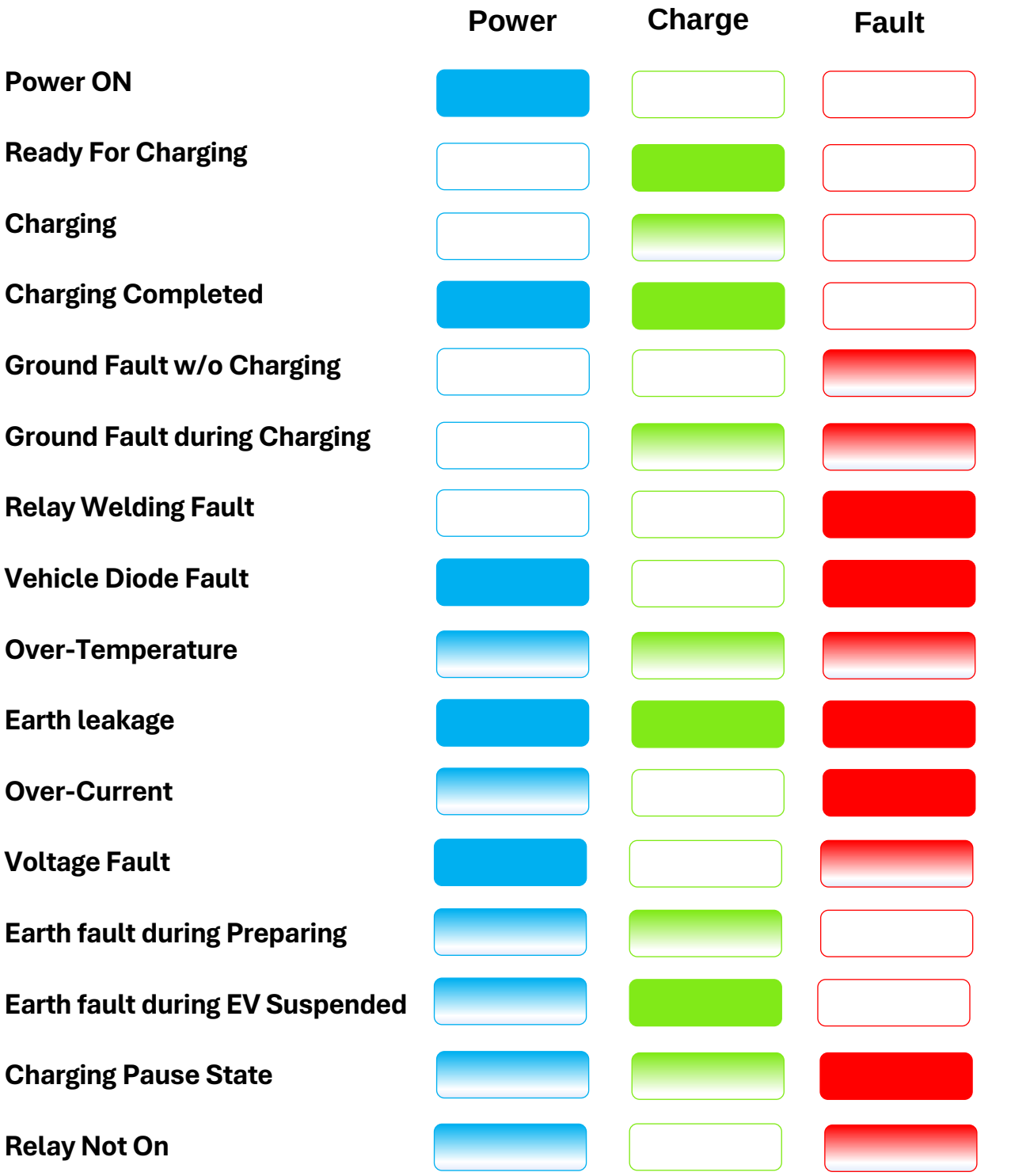
Plug charging gun to the vehicle charging socket, Charger LED will turn Green with blinking pattern. This means charging has started

STEP 4:

Unplug the charging gun. If the LED shows both solid green and solid blue, the vehicle is fully charged, and charging has been suspended by the vehicle.



3.3 LED Indications



3.4 LED Indications

S. No	Alarm Name	Alarm Cause	Alarm Resolution
1	PWM Fault	CP and PE wires or pins are short-circuited	1.Check the continuity with the CP and PE pins 2.If any continuity is found, then try to separate both if possible or change the connectors
2	Output Current High / Output Current Very High	Demand Current exceeds the rated Current	The alarm is latched, kindly reboot the charger to start the charger again. If issue occurs again, connect with Exicom customer service.
3	NE Volt High / Earth Detect	1.No earthing provided in the mains supply 2.NE Voltage has crossed the Threshold Limit	1.Check if the earth is present or not 2.Wait for the voltage unbalance to clear
5	Earth Leakage	There is a leakage spike of more than 30mA AC or 6mA DC	Reboot the Charger because this alarm is a latched alarm
6	Over Temperature	The temperature threshold has exceeded the limit	Let the charger cool down
7	Main High / Low / Very Low	Overvoltage and Undervoltage are detected	1.Check the Voltage level using Digital multimeter 2.Wait for the voltage to get back into range.