

LEKTRI·CO

CHARGE YOUR FUTURE

# TRI™

## DATASHEET



November 2023

[www.lektri.co](http://www.lektri.co)

# Technical Data

## FEATURES

### Connectivity

**Wi-Fi IEEE 802.11 b/g/n - 2.4GHz frequency**

**Bluetooth Low Energy**

**RFID - NFC**

**GSM** - optional (\*planned 2024)

**Dedicated App** - Local and remote management and control

### Integrations

**RESTful API and RPCs**

API ready for 3rd party integrations and PV solutions

**Smart Home Ready**

Home Assistant, Amazon Alexa

## CERTIFICATIONS

### Standard

**IEC 61851**

### Certifications



### OCPP 1.6

TRI™ is OCPP 1.6 standard compatible

## SAFETY FEATURES

- Differential direct current detection device 6mA DC (RDC-DD) and 30mA AC.
- Overvoltage and undervoltage detection.
- Overheating protection-with derating protection algorithm.
- Current overload protection.
- Type 2 connector with shutters.

## ELECTRICAL

Socket outlet

**Type2 connector with shutters**

Cable length

**5m**

Charging Power

**1.4 kW to 22 kW**

**Dynamic 1 - 3 phase switching**

Power Supply

**Single phase: 230 Vac | 50Hz - L, N, PE**

**Three phase: 400Vac | 50Hz - L1, L2, L3, N, PE**

**Current: 6 - 32 A** (can be limited to accommodate power supply)

## INSTALLATION

Mounting

**On wall** (case fixed on the wall)

**On pillar** (case with integrated pillar)

Operating Temperature

**- 25 °C ... + 45 °C**

Operating Humidity

**<95% r.H. (non-condensing)**

Protection

**IP54** (Protection from dust, splashing water. Outdoor use is possible)

**IK10** (Resistance to pendulum shock: mass of 5kg, 40cm string)

Weight

**5kg** (cable included)

Dimensions

**19cm x 19cm x 8.8cm**

# Dedicated mobile app

## Easy setup

Intuitive setup wizard which will guide you through the process step by step.

## Remote control

Remotely start/stop the charging process.

## Current limit

You can change the charging current whenever you need it.

## PV integration settings

Charge based on your needs.

## Schedule charging

Save money and stabilise the entire electricity grid. LEKTRI.CO helps you charge your car battery during low tariff hours by setting this in the mobile app.



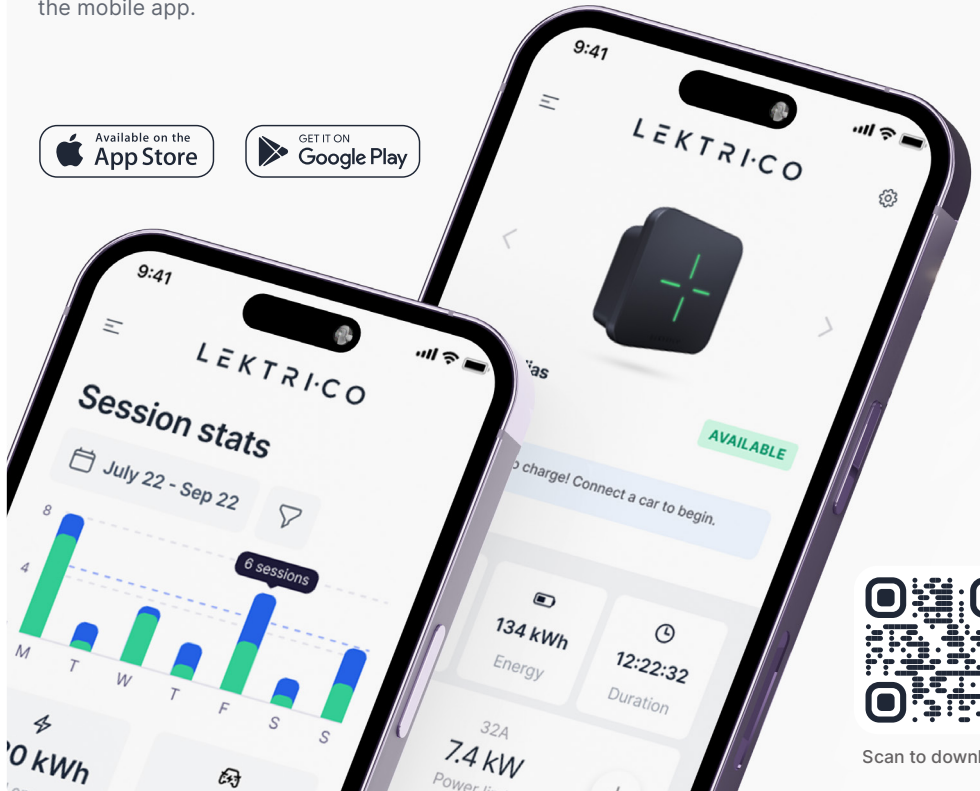
Power



Hybrid



Green



Scan to download

## HOME CHARGING

### Home charging is the most convenient way of charging.

Truth is, we can all use a little less hassle. Charging at home is the easiest way for your EV to recharge at night and be ready for the day ahead.

#### PV Ready

Charge your EV for free and enjoy an environmentally friendly ride.

## APARTMENT BLOCKS

### If you live in a condo, we know that your options for charging might be limited.

That's where we come in. We can help you charge your car at home.

#### Smart Load Balancing

Our dynamic load balancing system allows your chargers to balance the load on the electrical system and EV charging, thereby keeping the total power consumption within the limit of the main breaker. It also enables charging EVs using solar panels for a 100% green driving experience with zero carbon emissions.

## COMMERCIAL BUILDINGS

### Plug your business into the future of charging

Large parking lots, office buildings, and shopping malls can integrate our charging solution to serve their customers and employees as companies and individuals increasingly rely on EVs.

#### Flat Cable Installation

Flat Cable Installation means up to 80% material savings and up to 75% labor savings.

This is a modular system meaning adding more chargers involves simple modifications and additions.

Contact us:

[charger@lektri.co](mailto:charger@lektri.co)

[www.lektri.co](http://www.lektri.co)

# L E K T R I · C O

The first EV charger with  
attached cable and  
shutters

