

## OPERATING MANUAL AND SAFETY INSTRUCTIONS

Product: Chargers for Li-ion batteries

Models:

**F120 - POW42V2A-SIP – Charger for Li-ion 36V / 2A**

**F300 - POW42V5A-SIP – Charger for Li-ion 36V / 5A**

**F120 - POW54V2A-SIP – Charger for Li-ion 48V / 2A**

**F300 - POW54V5A-SIP – Charger for Li-ion 48V / 5A**

1. Importer to the EU:

GEVIZO s.r.o.

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2. Product designation and technical specifications

The device is intended exclusively for charging Li-ion batteries with the appropriate voltage and a DC 5.5 x 2.1 mm input connector. Use with other types of batteries (e.g. lead-acid, Ni-MH) or with batteries of a different voltage or input connector is prohibited and may result in damage or fire.

Specifications	POW42V2A-SIP	POW42V5A-SIP	POW54V2A-SIP	POW54V5A-SIP
Input voltage	100–240 V AC	100–240 V AC	100 – 240V AC	100–240 V AC
Output voltage	42.0V DC	42.0V DC	54.6V DC	54.6V DC
Max. current	2.0A	5.0A	2.0A	5.0A
Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Cooling	Active (fan)	Active (fan)	Active (fan)	Active (fan)

Specifications	POW42V2A-SIP	POW42V5A-SIP	POW54V2A-SIP	POW54V5A-SIP
Operating temperature	0-40 °C	0-40 °C	0-40 °C	0-40 °C
Storage temperature	10-40 °C	10-40 °C	10-40 °C	10-40 °C
Degree of protection	IP20	IP20	IP20	IP20
Weight	0.66 kg	0.8 kg	0.66 kg	0.8 kg

### 3. Mandatory safety warnings:

- Read the instructions: Carefully read the instructions before use
- Indoor use: The charger is intended for indoor use only. Protect from rain, moisture and water
- Keep out of reach of children, as injury may result
- Children and persons who, due to their physical, sensory or mental abilities or lack of experience or knowledge, are not capable of using the charger safely, must not use this charger without supervision or instruction by a responsible person. Otherwise, there is a risk of misuse and injury
- Use in a well-ventilated and dry place and never cover the charger
- Protect from direct sunlight.
- Do not use to charge batteries that do not meet the charger's output and input parameters.
- Damage: If the power cord is damaged, it must be replaced by the supplier or a qualified person to avoid the risk of electric shock.
- Never touch or handle the mains plug, charging connector or charging contacts with wet hands. This could result in electric shock

#### 4. Operating procedure

1. Check that the mains voltage corresponds to the specification on the charger label.
2. Remove the battery from its holder or disconnect it from the system, e.g. an electric bicycle or other device, and charge it separately.
3. First, connect the input connector to the mains socket.
4. Then connect the DC 5.5 x 2.1 mm connector (plug) to the battery.
5. LED indicator:
  - Red light: Charging in progress
  - Green light: Charging is complete or the charger is not connected to the battery
6. Once charging is complete, immediately disconnect the charger from the battery and then from the mains
7. The charging time depends on the output current of the charger and the capacity of the battery and can be in the order of hours
8. The battery must not be charged unattended
9. Never leave the charger permanently connected to the battery

#### 5. Maintenance and safety warnings

- Never disassemble the charger cover (risk of electric shock, the voltage inside is life-threatening).
- Keep the charger clean. Always disconnect it from the mains before cleaning. Use only a dry cloth
- The surface of the charger may become warm during charging, which is normal. However, do not place it on flammable materials such as paper or fabric, as this could cause a fire
- Replacing the fuse: if the charger does not work, it may be necessary to replace the external fuse. Before handling, **always disconnect it from the mains and the battery**. The fuse is accessible from the outside and is marked **FUSE**. **Never disassemble the main cover** of the charger to replace the fuse. Replace a blown fuse **only with an identical type** (same voltage and current). Replacement fuses are included in the package. **WARNING:** Never use a stronger fuse or bridge it (e.g., with a wire). There is a serious risk of fire and injury!

## 6. Disposal and recycling

- According to the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) and its implementation into national law, unusable electrical devices (chargers) must be collected separately and submitted for environmentally sound recycling.
- Electrical appliances marked with the crossed-out wheelee bin symbol must not be disposed of with regular household waste.

How to recycle? Do not dispose of as household waste!

- **In the Czech Republic**, through the publicly available collection network REMA Systém a.s., which is intended for [take-back](#), or at the address EVBIKE, Bystrá 761/10, Prague 20, Horní Počernice, 193 00, Czechia.
- **In other EU countries:** Take the equipment to a designated local collection point for recycling electrical and electronic equipment. For more information, contact your local authorities, municipal waste collection company or retailer.

