

[Manuals.plus](#) /

> [Telwin](#) /

> Telwin Alpine 30 BOOST Car Battery Charger User Manual

Telwin ALPINE 30

Telwin Alpine 30 BOOST Car Battery Charger User Manual

Model: ALPINE 30

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Telwin Alpine 30 BOOST Car Battery Charger. Please read this manual thoroughly before use and retain it for future reference. This charger is designed for charging free electrolyte (WET) batteries with 12V or 24V voltage.

SAFETY INSTRUCTIONS

- Always operate the charger in a well-ventilated area.
- Wear appropriate personal protective equipment, including eye protection and gloves.
- Ensure the charger is disconnected from the mains supply before making or breaking connections to the battery.
- Avoid short-circuiting the battery clamps.
- Do not charge frozen batteries.
- Keep children and unauthorized persons away from the charging area.
- Refer to the vehicle manufacturer's manual for specific battery charging instructions.

PRODUCT OVERVIEW

The Telwin Alpine 30 BOOST is a robust battery charger featuring protection against overloads and polarity inversions. It includes a selector for normal and rapid (BOOST) charging modes, along with an ammeter for monitoring the charging process.



Figure 1: Telwin Alpine 30 BOOST Car Battery Charger. This image shows the front panel of the charger, including the control knobs, ammeter, and connection terminals for the battery cables.

SETUP

1. **Placement:** Position the charger on a stable, level surface in a well-ventilated area, away from flammable materials.
2. **Battery Preparation:** Ensure the battery terminals are clean and free of corrosion. If charging a battery in a vehicle, ensure the vehicle's ignition is off and all accessories are disconnected.
3. **Connect Clamps:**
 - Connect the **RED** positive (+) clamp to the positive (+) terminal of the battery.
 - Connect the **BLACK** negative (-) clamp to the negative (-) terminal of the battery. If charging a battery installed in a vehicle, connect the negative clamp to the vehicle chassis away from the battery and fuel line.
4. **Mains Connection:** Plug the charger's power cord into a suitable 230V AC, 50/60Hz mains outlet.

OPERATING INSTRUCTIONS

- Select Voltage:** Use the voltage selector switch to match the battery voltage (12V or 24V).
- Select Charging Mode:**
 - **Normal Charge:** For standard charging of batteries.
 - **BOOST (Rapid Charge):** For faster charging when time is limited. Use with caution and monitor the battery closely to prevent overcharging.
- Start Charging:** Turn on the charger. The ammeter will indicate the charging current. The current will gradually decrease as the battery charges.
- Monitor Charging:** Periodically check the ammeter. When the current drops to a very low level, the battery is nearly fully charged.
- End Charging:**
 - Turn off the charger.
 - Unplug the charger from the mains outlet.
 - Disconnect the negative (-) clamp first, then the positive (+) clamp.

MAINTENANCE

- **Cleaning:** Disconnect the charger from the mains before cleaning. Wipe the exterior with a dry, soft cloth. Do not use solvents or abrasive cleaners.
- **Storage:** Store the charger in a dry, cool place, away from direct sunlight and moisture. Ensure cables are neatly coiled and not kinked.
- **Cable Inspection:** Regularly inspect the power cord and battery cables for any signs of damage, such as cuts or fraying. Do not use the charger if cables are damaged.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger does not turn on.	No power from mains outlet. Faulty power cord.	Check mains outlet with another appliance. Inspect power cord for damage.
Ammeter shows no current.	Incorrect battery connection. Battery fully charged. Internal fuse blown.	Verify positive and negative connections. Check battery voltage. Consult a qualified technician for fuse replacement.
Charger overheats.	Poor ventilation. Overloaded circuit.	Ensure adequate airflow around the charger. Reduce charging load or switch to normal charge mode.

If problems persist, contact qualified service personnel.

SPECIFICATIONS

Model	ALPINE 30
Brand	Telwin

Input Voltage	230 V AC (Single-phase), 240 V
Input Frequency	50/60 Hz
Absorbed Power (Charge)	800 W
Charge Voltage	12 V / 24 V DC
Effective Charge Current	30 A
Conventional Charge Current (EN60335-2-29)	20 A
Min. Battery Capacity	15 Ah
Max. Battery Capacity	400 Ah
Regulation Positions	3
Dimensions (L x W x H)	22.5 x 29 x 20.5 cm
Weight	8.6 kg
Connector Type	Schuko plug (Type F) and battery clamps
Number of Ports	2
Country of Origin	China

WARRANTY INFORMATION

Specific warranty details for the Telwin Alpine 30 BOOST Car Battery Charger are not provided within this manual. Please refer to the warranty card included with your product or contact the retailer/manufacturer for warranty terms and conditions.

SUPPORT AND SERVICE

For technical assistance, spare parts, or service inquiries, please contact your authorized Telwin dealer or visit the official Telwin website. Ensure you have your product model number (ALPINE 30) and serial number (if applicable) ready when contacting support.

