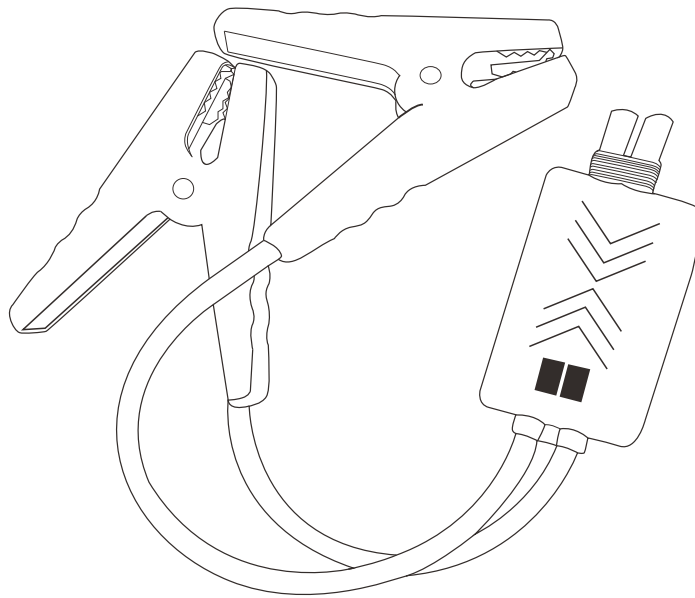


Intelligent Battery Clamp



Specification Intelligent battery

Instructions for starting a car

1. Plug the cable connector into the car jump starter.
2. Connect the red clamp to the "+" of the car battery and the black clamp to the "-" of the car battery.
- 3-1 Blue light on=> The jump starter is ready to start the car.
- 3-2 Red light flashes=> Please check whether the clamps are connected properly, if there is a short circuit or reverse charging (the voltage of car battery is higher than the jump starter's) and whether the voltage of car jump starter is above 10.6V. Please disconnect and reconnect the connector if you require another operation.
4. After the car has started successfully, the red light will flash and the battery clamp will show a warning. Please disconnect and reconnect the connector if you require another operation.

Note: When you plug in the connector to the car jump starter, if the red light is on, please connect the red clamp to the "+" of car battery and the black clamp to the "-" of the car battery. If the Blue light turns on, the clamps can be used to start the car.

Function	Indication	Details Description
Low Voltage Protection	RED Light Flashing	When the car jump starter's voltage $V_{BAT} < 10.5V$ the clamp will be in a Low Voltage Protection mode. Tips: The RED light will keep flashing, the buzzer will sound, the output cuts off automatically.
Reverse Polarity Protection	RED Light Flashing	When the clamps are reversely connected to the car battery, The battery clamp will be in a Reverse Polarity Protection mode. Tips: The RED light of battery clamp will keep flashing, the buzzer will sound, no output and no sparks.
Short Circuit Protection	RED Light Flashing	When the two clamps are connected, the battery clamp will be in a Short Circuit Protection mode. Tips: The RED light will keep flashing, the buzzer will sound, No output, no sparks.
Reverse Charging Protection	RED Light Flashing	After the car has started, if there is any reverse current, the clamps will turn off the output automatically. (Inspect time < 1 second). Tips: Battery clamp warning.
Automatic Power shut off	RED Light Flashing	After normal output, if no further operation occurs for 60s (the time interval is adjustable), the clamps will automatically turn off.

Note: After the RED light flashes, if you need to repeat use, disconnect and reconnect the connector.