

# SecureStart™

**12V / 24V**  
Portable Jump Starter  
With Fuel-Gauge Indicator

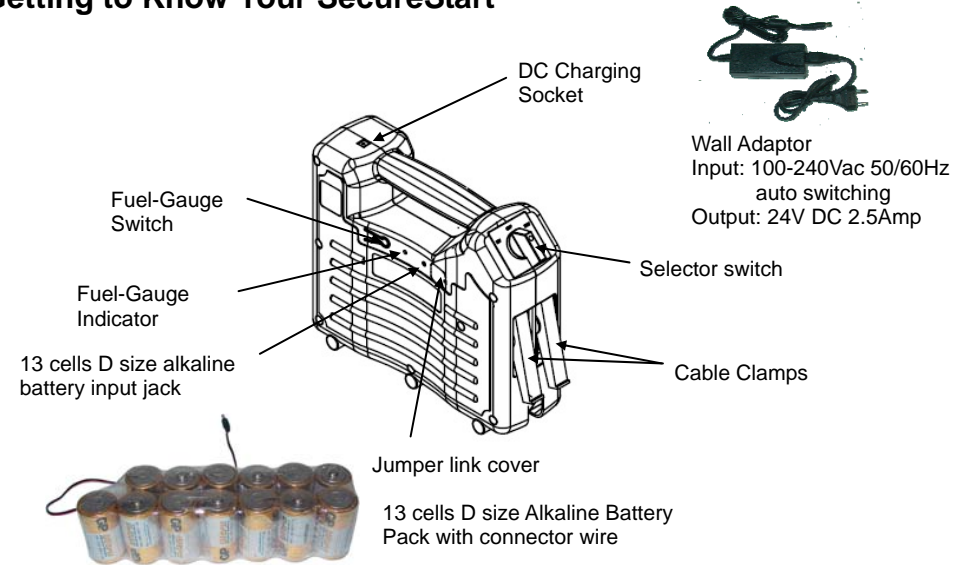
## SS105 User's Manual

*For both Gasoline  
and Diesel Engines*



Powered by  
**Bolder  
Tech™**  
Advanced Battery  
Technology  
A Division of GP Batteries

### Getting to Know Your SecureStart™



**WARNING: DO NOT allow the cable clamps to TOUCH each other!** The cable clamps carry electrical current at all times. If they touch each other, severe sparks may cause personal injury and battery explosion. Use only the wall adaptor supplied with your SecureStart™ for charging. To avoid damage, do not use any other chargers or apply any other charging methods.

### Prepare Your SecureStart™ Before First Use

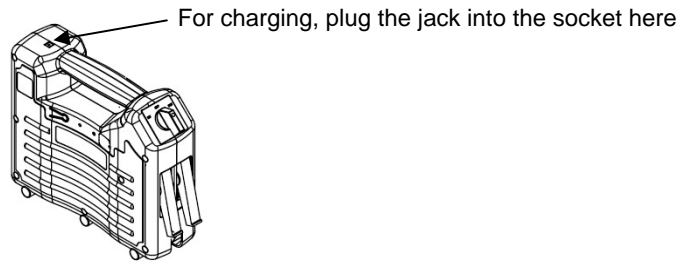
**STEP 1:** Upon purchase, disconnect the external 13-cell D size alkaline battery pack that is connected with a wire connector to the SecureStart™ by pulling the connecting wire out. Discard this 13-cell alkaline battery pack.

**STEP 2:** Insert and connect the jumper link into the unit. Mount the jumper cover plate with the screw. The jumper link is to connect the built-in NiMH battery to replace the discarded 13 D-size cell alkaline battery for backup purpose.

*Note: The 13 D-size cell alkaline battery is for backing up the SecureStart™ Lead Acid battery during storage before sales for limited period only.*

**STEP 3:** Charge your SecureStart™ by using wall adaptor immediately.

- Make sure that the selector switch is in “OFF” position. Only at this position, the SecureStart™ can be charged.
- Plug the DC jack of the adaptor into the DC charging socket on SecureStart™.
- Your SecureStart™ will begin charging upon switching on the wall adaptor.
- **Minimum 4 hours or permanently plugged-in charging. To maximize SecureStart™ performance, permanent plugged-in charging is recommended.**



#### On-Charge indication:

- **RED** : FAST Charging
- **GREEN** : SLOW Charging (ready)

**IMPORTANT:** The selector switch of the SecureStart™ must always be switched to “OFF” position when it is not used for cranking.

#### When to Recharge Your SecureStart™

It is mandatory to recharge SecureStart™ immediately after used. SecureStart™ is incorporated with smart charging system as to prevent overcharging. It is recommended that the SecureStart™ be plugged in when not in used.

To determine whether the unit is ready to use simply press and hold the fuel-gauge switch to observe the LED color on the indicator.

NOTE: The selector switch must be at “OFF” position.

#### Fuel gauge indication:

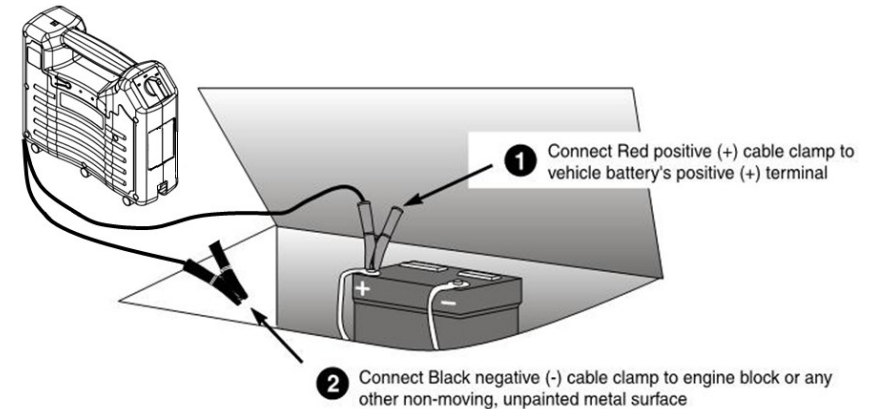
- **RED** : Immediately recharge your SecureStart™
  - **GREEN** : Ready to jump-start
- As fuel gauge traces the battery voltage, the indication may not be accurate right after the unit is unplugged from the charging. Please check the fuel gauge after 30 minutes rest from charging.
  - Recommended to plug in the wall adaptor when not in used.
  - It is recommended to store your SecureStart™ in a cool, dry location to maximize its performance.
  - Failure to follow the charging instructions may shorten your unit’s service life.

## Jump-Starting Your Vehicle

**NOTE:** Use SecureStart™ on gasoline-powered or diesel engines with a 12-volt or 24-volt cranking system. Read all instructions and safety warnings before use.

**IMPORTANT:** Check the vehicle cranking system voltage first (12V or 24V) before use.

1. Turn vehicle ignition switch to OFF before accessing battery in vehicle or connecting cable clamps to vehicle battery.
2. Open hood of vehicle and position SecureStart™ away from fan blades, belts, pulleys or any other moving parts.
3. **Make sure** that the selector switch of the SecureStart™ is at ‘OFF’ position.
4. **Connect the Red positive (+) cable clamp first** to the vehicle battery’s positive (+) terminal. Rotate clamp slightly to ensure a good connection.



5. **Connect the Black negative (-) cable clamp last** to vehicle chassis, engine block, hanging hook or other unpainted, non-moving metal surface that is away from the vehicle battery. Rotate clamp slightly to ensure a good connection.
6. **Turn** the selector-switch on the SecureStart™ to the vehicle **cranking system voltage. IMPORTANT: Turn to the wrong voltage will damage the vehicle electrical system.**
7. Turn vehicle ignition switch and start the engine.
8. If you intend to crank another engine immediately it is recommended to leave the cable clamps of SecureStart™ connected for 3 minutes to allow a top up charge from the alternator of the idling vehicle.
9. **Turn** the selector switch to ‘OFF’ position after used to prevent accidental short circuit of the clamps and to allow recharge from the wall adaptor.
10. **Disconnect the Black negative (-) cable clamp first** and place it to its storage position in your SecureStart™.
11. **ONLY** after removing and storing the Black negative (-) cable clamp, **disconnect the Red positive (+) cable clamp last** from the vehicle battery positive (+) terminal and place it to its storage position in your SecureStart™.
12. It is mandatory to recharge your SecureStart™ immediately with wall adaptor for at least 4 hours.

Note: The SecureStart™ has successfully cranked on 12L diesel engine.

## Warranty Terms and Conditions

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Your SecureStart™ is covered by a conditional, limited warranty to the original purchaser. Your SecureStart™ is warranted to be free from defects in material and workmanship for a limited period (as stated on card) from the date of sale. If your jumpstart unit malfunctions or fails within the warranty period because of a defect in material or workmanship, we will repair or replace it, at our discretion, without charge. You must present a sales invoice or receipt to prove the date of purchase. If the warranty seal sticker is damaged, the warranty shall be voided.

Returned units determined to have been subjected to misuse shall not be covered under warranty. This warranty does not cover defects or failures of your SecureStart™ due to any cause other than defective manufacturer's material or workmanship, including without limitation any malfunctions or failures caused by repairs made by an unauthorized person, mishandling, modifications, normal wear, unreasonable use or damage. **IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES.**

EXCEPT FOR THIS LIMITED WARRANTY, THE MANUFACTURER HAS NOT MADE, AND SPECIFICALLY DISCLAIMS, ANY WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, DIRECT OR INDIRECT, OF PRODUCT FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED, CONDITIONAL WARRANTY PROVIDES THE EXCLUSIVE REMEDY FOR ANY CLAIM OR DAMAGE EXCEPT AS OTHERWISE REQUIRED BY LAW.

## IMPORTANT Read All Instructions And Safety Warnings Before Using SecureStart™

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### Warning / Safety Information

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1. Read and follow all instructions in this manual before using the SecureStart™.
2. Follow all instructions published by the automobile and vehicle battery manufacturers, especially the procedure of jump-starting of a vehicle.
3. **KEEP OUT OF THE REACH OF CHILDREN.**
4. NEVER ALLOW cable clamps (“+” & “-“) to TOUCH each other. Cable clamps are “live” at all times, and will spark once they touch, SecureStart™ will generate heat too. Always ensure clamps are stowed securely in clamp holders when not connected for jump-starting.
5. Check the vehicle cranking system voltage first (12V or 24V) before use. Turn the selector-switch on the SecureStart™ to the correct vehicle cranking system voltage. Turn to the wrong voltage will damage the vehicle electrical system.
6. ALWAYS VERIFY vehicle battery positive terminal (RED “+“) before connecting cable clamps to battery. Be aware of connecting sequence.
7. Handle SecureStart™ and vehicle battery with care while jump-starting a vehicle. Vehicle batteries generate hydrogen gas during normal battery operation, such gas may cause explosion with a spark. Care should be taken to ensure sparks are not generated near the vehicle battery. Sparks occur when connecting or disconnecting leads. Keep sparks and flames away from batteries.
8. Keep hands and cables clear of fan blades, belts pulleys and other moving parts when working near a running engine. Remove jewelry, watch and loose clothing when near the engine compartment. Take extra care to protect eyes during jump-starting.
9. Do not charge the SecureStart™ in wet or moist locations through the DC charging jack. Severe electrical shock may result.
10. Do not charge the SecureStart™ in an airtight container, provide adequate ventilation during charging.
11. Do not attempt to disassemble the SecureStart™. Do not cut any cables or wires on this product. The TMF® power pack contained within your unit is capable of generating very high current. This current may cause severe burns or personal injury.
12. Use your SecureStart™ to jump-start vehicles that run with lead-acid battery only.
13. Never immerse SecureStart™ into water or seawater.
14. Keep SecureStart™ away from sunlight, hot and high humidity environment. Do not store with metal parts such as tools and wires etc.
15. SecureStart™ contains non-spill-able sealed lead-acid batteries. **Under normal and appropriate use, the product is safe and there is no exposure to lead.**
16. Return used SecureStart™ to sales outlet for recycling.