

SecureStart FAQ's

Question: What kind of engines can I start with SecureStart™?

Answer: V6 Gasoline-powered engines with a 12-volt electrical starting system.

Question: Can I use SecureStart™ on a diesel engine?

Answer: Yes, it is possible to start newer diesel engine.

Question: What is TMF battery?

Answer: Thin Metal Film (TMF) technology combines the best features of traditional sealed-lead battery chemistry with an advanced mechanical construction. The patented mechanical construction results in a battery that produces very high current of 1,000A in less than a millionth of a second.

Question: Can the TMF batteries be replaced?

Answer: No, SecureStart™ must not be disassembled by user or unauthorized personnel.

Question: How many times will it jump start on one charge?

Answer: A fully charged SecureStart™ can start a gasoline-powered engine up to 5 times without recharging. However, immediate recharging is recommended after jumpstarting.

Question: How long can I store my unit before I need to recharge it?

Answer: The time between charges is dependent upon the ambient temperature and state of charge of both TMF and alkaline batteries. Under room temperature around 25°C, with fully charged TMF and fresh alkaline batteries, it can be stored without recharging for about 9 months. During hot months when temperature exceeds 29°C, you may need to recharge it more frequently or plug in permanently.

Question: Can I leave SecureStart™ continually on charge?

Answer: Yes. SecureStart™ can be continually charged by plug-in the car adaptor or wall adaptor (15VDC-1Amp). SecureStart™ is incorporated with smart charging system to prevent overcharging. Therefore permanent plugged-in is highly recommended.

Question: What are the alkaline batteries for?

Answer: When the TMF cells are fully charged, the alkaline batteries provide a constant float/trickle charge for the TMF batteries to ensure that the TMF fully charged status will be maintained for a long time. It also extends the shelf life of the unit and powers its internal control electronics.

Question: How to read the LED indications?

Answer: Minimum half an hour rest after charging, simply press and hold the fuel-gauge switch to observe the LED color.

Green light – Ready to jump start

Orange/Red light – Immediately recharge and replace 13 pieces of AA alkaline batteries at the same time.

Question: How often do I need to replace the alkaline batteries?

Answer: The life of the alkaline batteries depends upon how often you charge your SecureStart™ and how quickly you charge it after jump-starting. When you first purchase the unit, it is very important to replace the alkaline batteries and immediately place it on charge for at least 4 hours cumulatively. SecureStart™ will emit audible beeps at 5 minutes intervals when the alkaline batteries need to be replaced.

Question: Can I use rechargeable batteries or rechargeable alkaline batteries?

Answer: Due to its lower voltage and faster self discharge nature, rechargeable batteries are not recommended.

Question: How many times of jump starting can be performed by a SecureStart?

Answer: SecureStart™ can provide more than hundred times of starts if the instructions in the manual are followed properly.

Question: What is the peak current does a SecureStart™ produce?

Answer: SecureStart™ is able to produce a peak current output of 900 Amps, and can sustain 200 ~ 300 Amps of output for 4 to 7 seconds. A three-liter car in good operating condition needs less than 1 second of 300~600 Amps to start.

Question: I have a standard 12-volt battery charger at home. Can I use it to charge my SecureStart™?

Answer: No, use only the charging methods described in the user manual.

Question: How should I clean my SecureStart™?

Answer: Use a damp cloth with a small amount of dish-soap applied to it. Wipe clean with a dry cloth. Never use solvents to clean this product. Do not immerse in or spray with water.

Question: What type of wall adaptor can be used to charge SecureStart™?

Answer: It should be 15VDC -1Amp switching power supply version.

Question: Comparing to conventional jump starters, what is the advantage of SS103A?

Answer: SS103A is very compact with its weight at 1.38kg. Unlike most other jump starters in the market which easily weighs above 5kg. It can be installed or placed in any part of a vehicle. It has a strong power to even jump start with “dead” battery unlike conventional one that can only jump start with weak car lead acid battery.

Conventional jump starter has a lower peak current output of around 450 Amp (at 12Ah), but SS103A has a peak current output of 900 Amp at 1Ah.