

STARTSTICK®

Stick, start & fly!

StartStick



The StartStick has designed a cutting edge and ultra lightweight emergency start battery with a built-in NATO connector. It weighs just less than 2 gallons of fuel (10 lbs) and is the first-ever portable start battery lightweight enough to carry on every flight. The StartStick (9 Ah) model is ideal for emergency start purposes or for light-duty ramp use such as for standby power for avionics maintenance.

Technical Specifications

Weight	10.5 lbs (4,8 kg)
Length	17 inches (432 mm)
Width	6.25 inches (157 mm)
Li-Ion	28 V
Capacity	9 Ah
Input	28 v dc 20 amps max
Output	28 v dc 200 amps
Max continuous	480 A, 10 sec. limit
Short circuit	1350 A

For most single engine helicopters.

The StartStick discharge 2% per month state of charge loss if not used. The battery life is calculated dynamically based on 1000 cycles (full charge/discharge), 6 years or about 3,000 starts.

StartStick Fleet



The StartStick Fleet is a 13 lbs emergency start battery. While still lightweight enough to be stowed on-board, extra battery power allows the StartStick Fleet (14 Ah) to start almost any light turbine aircraft in a fleet and is ideal for both emergency starts and commercial ramp use where ground power is needed for extended periods of time. StartStick Fleet is also ideal for providing ground power while operating near salt-water environments where engines are motored or compressor washed regularly.

Technical Specifications

Weight	14.5 lbs (6,6 kg)
Length	22 inches (539 mm)
Width	6.25 inches (157 mm)
Li-Ion	28 V
Capacity	14 Ah
Input	28 v dc 20 amps max
Output	28 v dc 300 amps
Max continuous	720 A, 10 sec. limit
Short circuit	1350 A

For most single and twin engine helicopters.

The StartStick Fleet discharge 2% per month state of charge loss if not used. The battery life is calculated dynamically based on 1000 cycles (full charge/discharge), 6 years or about 3,000 starts.



Features

- **Patent**
StartStick's patent pending design has an integrated lightweight battery case, GPU connector, and carrying handle that makes it both easy to stow and use.
- **Lightweight and Powerful Lithium Nano-Phosphate cells**
The StartStick has the most advanced battery management unit available. Automatic shutdown and turn-on, integrated battery charging, temperature, state of charge, battery life, and over 16 different fault diagnostics monitor the battery over 100 times per second to ensure optimum performance and safety.
- **Integrated, fully automatic battery charger**
An integrated battery charger allows for safe charging using any 10-ampere auxiliary power supply circuit. The battery automatically shuts itself off when fully charged.
- **Integrated multi-function display**
Battery state-of-charge, battery current, charger state, and fault codes can be displayed on the integrated multi-function display.
- **Fiber-reinforced polymer case**
StartStick's water, chemical and impact resistant case is made of an engineered fiber reinforced polymer for maximum durability and toughness.
- **Power supply converts StartStick into a GPU**
Optional power supply can supply up to 20 amperes of continuous ground power.

Charger Cable

On-board charging cables are available for the most types of helicopters.

StartStick Stowage Bag

Made from tough Ballistic Nylon, this bag makes it easy to store your StartStick in a baggage compartment while keeping it safe from damage. Durable D-Rings facilitate tie-downs. A Velcro flap allows the StartStick to be charged while in the bag.



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