

Compatible with any military ground vehicle, with tailored kits available for specific needs.  
**HUMVEE, MRAP, M1 Abrams Tank, and Bulldozers**

**STARTSTICK®**

# Military Ground Power Units to Enhance Mission Safety and Efficiency

## Lightweight **Li-Ion** Portable Ground Power



## Addressing Real Military Operational Challenges

### **Improved Mission Safety and Operational Security**

Reduces soldiers' exposure during jump-starts, especially in conflict zones with small arms fire hazards, and enhances operational security and efficiency by eliminating the need for a second vehicle and multiple personnel, streamlining the process to a single operator.

### **Streamlined Depot Efficiency**

Eliminates the need for heavy battery carts, making jump-starts faster, lighter, and more efficient. The fully serviceable battery pack offers an impressive 3,000 to 4,000 starts before overhaul, outperforming lead-acid batteries.

### **Elimination of Slave Cables**

Replaces cumbersome and failure-prone slave cables, offering a revolutionary alternative for seamless jump-starts in military ground operations.

## Certifications/Testing

StartStick has achieved certification to **MIL-STD-810H** and **UNDOT 38.3** standards, meeting the rigorous requirements set by the military.

## Why Choose StartStick

Trusted by US military special operations aviation, US Air Force and forces globally, StartStick has powered the M134D weapon system for over a decade and is the preferred GPU in the aerospace and defense industry with 2,000+ units deployed globally. Exclusively dedicated to Ground Power Units (GPUs), our patented design ensures unmatched intelligence and efficiency, exceeding industry standards. Choose StartStick for military ground applications — an exclusive, reliable, and innovative alternative to traditional slave cables.



## Technical Specifications

|                                    |                          |
|------------------------------------|--------------------------|
| Capacity                           | 19.4 Ah                  |
| Nominal Voltage                    | 26.4 v                   |
| Max Current (Pulse)                | 1600 Amps                |
| Max Current (Cont.)                | 400 Amps                 |
| Weight                             | 9.21 kg (20.20 lbs)      |
| Length                             | 438 mm (17.25 in)        |
| Width                              | 185 mm (7.31 in)         |
| Height                             | 108 mm (4.27 in)         |
| Time to Discharge <sup>1</sup>     | 60 min                   |
| Charge Time (after one start)      | 30-40 min                |
| Charge Time (dead battery)         | 5.6 hrs (approx)         |
| No. of Starts <sup>2</sup>         | > 20 starts/charge       |
| Charge Cycles <sup>3</sup>         | >1000 cycles             |
| AC Charger Input                   | 110/240 volts (50/60 hz) |
| Operating Temperature <sup>4</sup> | -20-60° C (22-140° F)    |
| Storage Temperature <sup>4</sup>   | -40-60° C (-40-140° F)   |

1. Assuming 20 Amp load prior to engine start

2. Approximate for reciprocating engine (3-4 turbine starts)

3. Capacity Check is <80% of rated, ambient temp

4. Integrated heater for temperatures below freezing

Patents: USD817868S1 | USD820204S1 | USD820203S1

## Smart Design Features

- **Lightweight and Compact** Weighing just 20 lbs, StartStick is lighter than slave cables and operable by a single person vs traditional cables requiring 4+ personnel.
- **Digital Display** Real-time monitoring for essential data on battery status and charging.
- **Integrated NATO Connector** Streamlined connectivity with a focus on military standards.
- **Advanced Battery Manager** Cutting-edge technology for fault diagnostics and optimal performance.

Li-Ion 



START-STICK.COM



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# Never set foot outside to access slave cables.

## Optional Kits to Further Enhance Safety

The NATO relocation kits elevate soldier safety by relocating a second NATO connector inside the vehicle, negating the need to exit during vulnerable situations.

- **MRAP NATO Relo Kit:** Adds a second NATO DC Receptacle for access from inside the vehicle.
- **HUMVEE Relo Kit:** Relocates the NATO DC Receptacle, allowing access from inside the vehicle.
- **HUMVEE M134d Turret Mount Kit:** Specifically designed for HUMVEE turrets to power the M134D weapon system.



Second NATO connector

