Goodall® By VANAIR®
We Start Engines®

CATEGORY 5

# Goodall® Engine Starting Systems

## Start-All® Jump-Pack Series • Boost•All® • Super Boost•All® • Cap•Start® 3000 Series

Since 1939, Goodall® Manufacturing has set the standard for engine starting and mobile service equipment. Goodall's line of equipment includes a broad range of jump starters, air compressors, AC generators, and the highest quality, heavy duty cable and clamp products on the market. With this comprehensive selection of industry leading equipment, Goodall® can meet any starting and mobile service challenge.

PROTECT•ALL®
Safety Technology

***Look for the logo that delivers built-in safety!***

*The innovations in safety technology include: reverse polarity, low voltage protection, short circuit, overheat protection, over discharge protection, over voltage protection, and open-clamp protection.*

START•ALL® JUMP•PACK

## *Lithium-Ion Jump-Starters & Power Packs*

Start-All® Jump-Pack series are compact, powerful, lightweight lithium-ion jump-starters. The innovative unit instantly starts up to a Class 8 truck and off-road equipment!

**Features:**

- Jump-starts gasoline and diesel engines (see engine specifications per unit)
- Charges any device including cell phones, digital cameras, tablets, and gaming devices with multiple power ports so you will never be out of touch
- Powers mobile equipment such as laptops or tools with the convenient AC plug
- Provides 500 Lumens LED emergency lighting with high/low and SOS emergency strobe functions

***Jump Your Vehicles — Charge Your Devices***

*Lightweight! Only 18.5 lbs.!*

***10,000/5000 Amps • 166500 Joules[5S] • 12/24 Volts***

| | |
|---|---|
| **ENGINE:** | Instantly jump-starts diesel engines up to 16 liter |
| **DIMENSIONS:** | 14.0" (L) x 5.0" (W) x 16.5" (H) |
| **UNIT WEIGHT:** | 18.5 lbs. With case: 20 lbs. |
| **BATTERY TYPE:** | High output premium lithium-Ion |
| **CAPACITY:** | 296 Watt-hours (296,000 mWh) |
| **JOULES[5S]:** | 166500 |
| **AMPS:** | 10,000/5000 (<200 ms) |
| **VOLTS:** | 12 and 24 |
| **LIFETIME PERFORMANCE:** | Up to 5000 starts |
| **STORAGE TEMP:** | 40° F to 75° F (4°C to 24°C) |
| **WARRANTY:** | One year |

PROTECT•ALL®
Safety Technology

## *10,000 Amps • 133200 Joules[5S] • 12 Volts*

*Lightweight! Only 11.1 lbs.!*

| | |
|---|---|
| **ENGINE:** | Instantly jump-starts diesel engines up to 16 liters |
| **DIMENSIONS:** | 10.93” (L) x 4.33” (W) x 10.78” (H) |
| **UNIT WEIGHT:** | 11.1 lbs. With case: 17 lbs. |
| **BATTERY TYPE:** | High output premium lithium-Ion |
| **CAPACITY:** | 236.8 Watt-hours (236,800 mWh) |
| **JOULES[5S]:** | 133200 |
| **AMPS:** | 10,000 (<200 ms) |
| **VOLTS:** | 12 |
| **LIFETIME PERFORMANCE:** | Up to 5000 starts |
| **STORAGE TEMP:** | 40° F to 75° F (4°C to 24°C) |
| **WARRANTY:** | One year |

PROTECT·ALL®
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## *5000 Amps • 66000 Joules[5S] • 12 Volts*

*Lightweight! Only 9.6 lbs.!*

| | |
|---|---|
| **ENGINE:** | Instantly jump-starts diesel and gasoline engines up to 10 liters |
| **DIMENSIONS:** | 10.93” (L) x 4.33” (W) x 10.78” (H) |
| **UNIT WEIGHT:** | 9.6 lbs. With case: 15.5 lbs. |
| **BATTERY TYPE:** | High output premium lithium-Ion |
| **CAPACITY:** | 118.4 Watt-hours (118,400 mWh) |
| **JOULES[5S]:** | 66000 |
| **AMPS:** | 5000 (<200 ms) |
| **VOLTS:** | 12 |
| **LIFETIME PERFORMANCE:** | Up to 5000 starts |
| **STORAGE TEMP:** | 40° F to 75° F (4°C to 24°C) |
| **WARRANTY:** | One year |

PROTECT·ALL®
Safety Technology

## *2500 Amps • 33300 Joules[5S] • 12 Volts*

*Lightweight! Only 4.4 lbs.!*

| | |
|---|---|
| **ENGINE:** | Instantly jump-start gasoline engine up to 6 liters and diesel engines up to 4 liters |
| **DIMENSIONS:** | 8.5” (L) x 3.5” (W) x 9.5” (H) |
| **UNIT WEIGHT:** | 4.4 lbs. |
| **BATTERY TYPE:** | High output premium lithium-Ion |
| **CAPACITY:** | 59.2 Watt-hours (59,200 mWh) |
| **JOULES[5S]:** | 33300 |
| **AMPS:** | 2500 (<200 ms) |
| **VOLTS:** | 12 |
| **LIFETIME PERFORMANCE:** | Up to 5000 starts |
| **STORAGE TEMP:** | 40° F to 75° F (4°C to 24°C) |
| **WARRANTY:** | One year |

PROTECT·ALL®
Safety Technology

## Heavy-Duty Wheeled Starting Equipment Battery-Powered

**Portable Jump-Starting Solutions for Repair Shops, Parking Lots and Garages**

### 1800 Amps • 12/24 Volts

| | |
|---|---|
| **POWER SOURCE:** | (2) Group 31 AGM batteries |
| **JUMP STARTING:** | 12/24V |
| **CABLES:** | 10' 4/0 ga. |
| **CLAMPS:** | 1,000A |
| **DIMENSIONS:** | 20" (L) x 26" (W) x 48" (H) |
| **UNIT WEIGHT:** | 77 lbs. |

Plug it in and leave it plugged in. Ready when you need it. Integrated, fully-automatic 120VAC charger.

13-224

**Features:**
- Fully automatic internal AC charger to keep battery in ready-to-use condition
- Extra large pneumatic tires for easy mobility
- Volt metered to monitor battery charge level of the Boost•All® or vehicle

Requires 2 group 31 AGM batteries, 3/8" threaded top post, 900 CCA or higher (batteries not included)

## Heavy-Duty Starting Equipment Battery-Powered Permanent Mount on Service Trucks

**Vehicle-Mounted, Battery Powered, Heavy-Duty, Turn-Key Starting Solutions**

### 12/24 Volts

| | |
|---|---|
| **POWER SOURCE:** | (2 or 4) Auxiliary jump-starting batteries |
| **CABLES:** | 25' 2/0 ga. |
| **CLAMPS:** | 1,000A |
| **DIMENSIONS:** | 10" (L) x 12" (W) x 10" (H) |
| **UNIT WEIGHT:** | 50 lbs. (without batteries) |

13-425

Output dependent on number of auxiliary batteries.

Make it a complete kit: battery box, group 31 batteries, booster cables, and connecting cables available.

SUPER BOOST•ALL Goodall

With Protect•All®

# Heavy-Duty Starting Equipment Battery-Powered Permanent Mount on Service Trucks

## Vehicle-Mounted, Battery-Powered, Heavy-Duty, Turn-Key Starting Solutions

### 12/24 Volts

| | |
|---|---|
| **POWER SOURCE:** | (2 or 4) Group 31 batteries |
| **JUMP STARTING:** | 12/24V |
| **CABLES:** | 25' 2/0 ga. |
| **CLAMPS:** | 1,000A |
| **DIMENSIONS:** | 16"(W) x 9" (D) x 17" (H) |
| **UNIT WEIGHT:** | 48 lbs. (with cables) |

Output dependent on number of auxiliary batteries.

PROTECT•ALL®
Safety Technology

13-492-001

Make it a complete kit: battery box, group 31 batteries, booster cables, and connecting cables available.

## Engine Driven

### 3000 Amps • 12/24 Volts

| | |
|---|---|
| **12V/24V STARTING:** | Up to 3240A Starting Capability |
| **DC ALTERNATOR:** | 240A 12V/24VDC |
| **CABLES:** | 30' 3/0 ga. |
| **POWER SOURCE:** | Vanair® Super Capacitor™ (VSC™) and 14.5 HP Briggs & Stratton® Engine |
| **FUEL TYPE:** | Gasoline |
| **FUEL CAPACITY:** | Integrated 1.725 Gallon Tank |
| **DRIVE SYSTEM:** | V-Belt |
| **BATTERY:** | Integrated |
| **DIMENSIONS:** | 36" (L) x 21" (W) x 20" (H) |
| **UNIT WEIGHT:** | 295 lbs. |

**Cap•Start® 3000 Safeties: Weather resistant electrical enclosure, reverse polarity protection, short circuit safety, and more!**

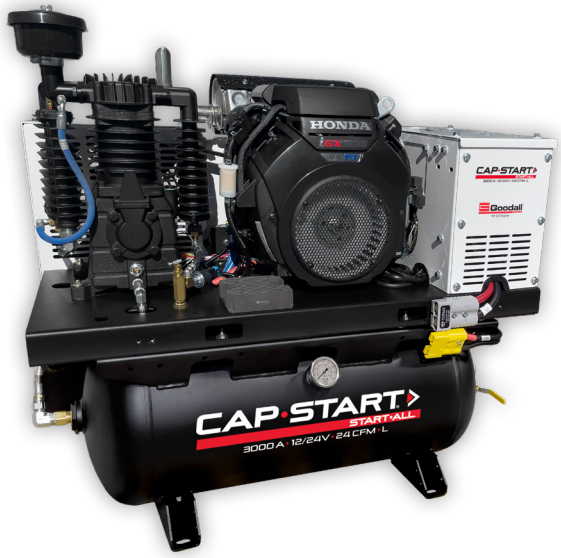
Fast self-recharging rate of 15 seconds to start vehicle after vehicle in rapid succession.

## Engine Driven Plus Air Compressor

### 3000 Amps • 12 Volts • 24 CFM

| | |
|---|---|
| **12V/24V STARTING:** | Up to 3240A Starting Capability |
| **DC ALTERNATOR:** | 240A 12VDC/24VDC |
| **POWER SOURCE:** | Vanair® Super Capacitor™ (VSC™) and 22.1 HP Honda® IGX700 EFT ETB |
| **CABLES:** | 30' 3/0 ga. |
| **CFM RATING:** | 24 CFM |
| **AIR PRESSURE:** | 175 PSIG Max. Pressure |
| **COMPRESSOR TYPE:** | Reciprocating |
| **FUEL TYPE:** | Gasoline |
| **FUEL CAPACITY:** | Optional 11 Gal. Tank |
| **DRIVE SYSTEM:** | Dual V |
| **BATTERY:** | Tie to chassis |
| **DIMENSIONS:** | 45.7" (L) x 22.8" (W) x 25.4" (H) - Skid<br>46.7" (L) x 23.4" (W) x 42.7" (H) - 30 Gal.<br>47.5" (L) x 26.6" (W) x 42.8" (H) - 30 Gal. with 11 Gal. Fuel Tank |
| **UNIT WEIGHT:** | 360 Lbs. - Skid, 479 lbs.- 30 Gal. |

**Cap•Start® 3000+Air Light Safeties: Weather resistant electrical enclosure, reverse polarity protection, short circuit safety, and more!**



## Hydraulic Driven

### 3000 Amps • 12/24 Volts

| | |
|---|---|
| **12V/24V STARTING:** | Up to 3240A Starting Capability |
| **MOTOR:** | Gear Motor |
| **DC ALTERNATOR:** | 240A 12VDC/24VDC |
| **CABLES:** | 30' 3/0 ga. |
| **POWER SOURCE:** | Vanair® Super Capacitor™ (VSC™) |
| **DRIVE SYSTEM:** | V-Belt |
| **BATTERY:** | Vehicle Chassis |
| **DIMENSIONS:** | 24” (L) x 18” (W) x 12” (H) |
| **UNIT WEIGHT:** | 150 lbs. |

**Cap•Start® 3000 Hydraulic Safeties: Weather resistant electrical enclosure, reverse polarity protection, short circuit safety, and more!**

## Surge Protection

### Antizap Surge Protection*

Eliminates the need to disconnect the battery from the terminal while welding. Provides protection for sensitive electronics.

- Protects vehicle electronics during MIG, TIG, or Argon Arc welding
- Fully insulated booster clamps with 2-function Antizap protection
- Eliminates the time needed to disconnect the battery
- Just clip the clamps across the battery and the green LED indicates complete electrical system protection

*Ensure your vehicle is correctly grounded before welding.

### Antizap Booster Cable Upgrade*

The Antizap surge protector provides protection for delicate electronics around transient voltage spikes or voltage surges. 12/24 heavy unit duty that fits up to 3/8” diameter or 2/0 gauge cable.

- For heavy duty jumper leads 12 and 24V protection
- LED’s indicate correct polarity and low voltage at donor battery
- Suits cable 3/8” diameter or 2/0 gauge cable.

## Plug-to-Plug Cables

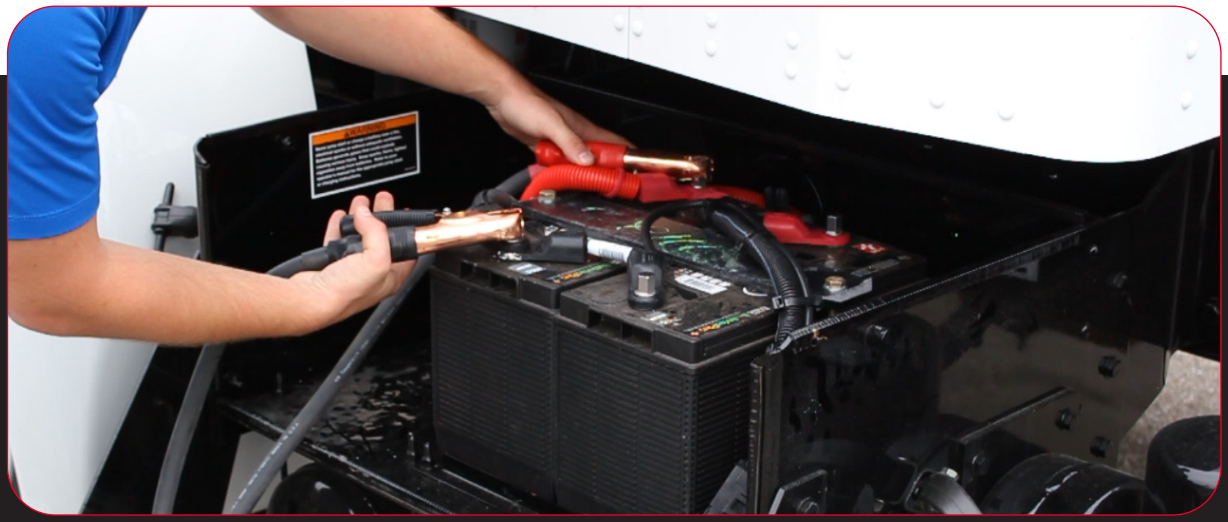
**Available in the following configurations:**

- 20 ft. standard duty kit, 4 gauge with blue plug 5 ft. battery to plug, 15 ft. plug to 400A clamps with weather cap
- 30 ft. standard duty kit, 4 gauge with blue plug 5 ft. battery to plug, 25 ft. plug to 400A clamps with weather cap
- 20 ft. heavy duty kit, 2 gauge with blue plug 5 ft. battery to plug, 15 ft. plug to 500A clamps with weather cap
- 30 ft. standard duty kit, 2 gauge with blue plug 5 ft. battery to plug, 25 ft. plug to 400A clamps with weather cap
- 30 ft. extreme duty equipment kit, 1/0 gauge with red plug 5 ft. battery to plug, 25 ft. plug to 800A clamps with weather cap
- 30' heavy-duty stainless steel bumper box kit — red polarity-protected plug, weatherproof stainless steel bumper box with 5' connector cable, 25' 1/0 gauge duplex welding cable with 800A clamps

## Clamp-to-Clamp Cables

**Available in the following configurations:**

- 1/0 gauge, 1000A - industrial
- 2 gauge, 500A - heavy duty
- 4 gauge, 400A
- 4 gauge, 450A



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