

We Start Engines™

# 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.



**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** **Lithium-Ion Jump Starters & Power Packs** JUMP-PACK

Start-All Jump-Pack® series are compact, powerful, lightweight lithium-ion cobalt 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 USB 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<sup>5S</sup> • 12/24 Volts**

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





**10,000 Amps • 133200 Joules<sup>5S</sup> • 12 Volts**

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



Lightweight! Only 11.1 lbs.!



**5000 Amps • 66000 Joules<sup>5S</sup> • 12 Volts**

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



Lightweight! Only 9.6 lbs.!



**2500 Amps • 33300 Joules<sup>5S</sup> • 12 Volts**

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



Lightweight! Only 4.4 lbs.!







## Heavy Duty Wheeled Starting Equipment Battery Powered

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

**1800 Amps • 12/24 Volts**

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

### 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)



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

13-224



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

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

**12/24 Volts**

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

Output dependent on number of auxiliary batteries.

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



13-425

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

**12/24 Volts**

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



**PROTECT•ALL**  
Safety Technology

13-492-001

Output dependent on number of auxiliary batteries.

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

**Battery Driven**

**1500 Amps • 24 Volts**

<b>POWER SOURCE:</b>	Vanair® Super Capacitor™ (VSC™) and (2) Group 31 AGM batteries
<b>JUMP STARTING:</b>	24V
<b>CABLES:</b>	26' 4/0 ga.
<b>CLAMPS:</b>	1,000A Full Power
<b>DIMENSIONS:</b>	44" (L) x 20" (W) x 14" (H)
<b>UNIT WEIGHT:</b>	309 lbs.



13-097-10

**Features:**

- Capacitor can be recharged 500,000 times
- Power cells are maintenance free
- Operating temperature range from -40°F to 122°F
- Quick disconnect red plug for plug-to-plug operation
- Includes reverse polarity and dead start circuitry protection

## Engine Driven

### 3000 Amps • 12/24 Volts

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

**CAP-START**  
START-ALL

**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.

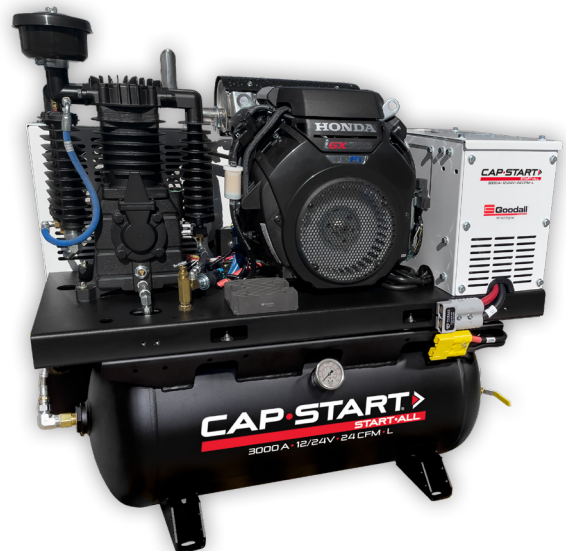
## Engine Driven Plus Air Compressor

### 3000 Amps • 12 Volts • 24 CFM

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

**CAP-START**  
START-ALL

**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**

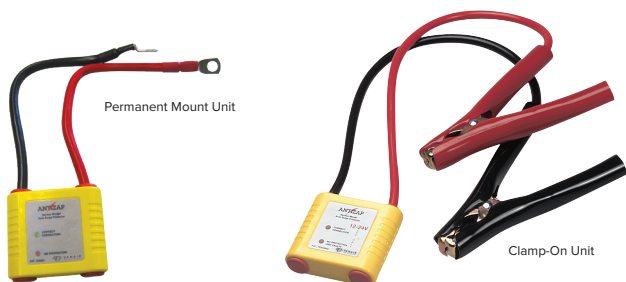
<b>12V/24V STARTING:</b>	Up to 3240A Starting Capability
<b>MOTOR:</b>	Gear Motor
<b>DC ALTERNATOR:</b>	240A 12VDC/24VDC
<b>CABLES:</b>	30' 3/0 ga.
<b>POWER SOURCE:</b>	Vanair® Super Capacitor™ (VSC™)
<b>DRIVE SYSTEM:</b>	V-Belt
<b>BATTERY:</b>	Vehicle Chassis
<b>DIMENSIONS:</b>	24" (L) x 18" (W) x 12"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

**CAP·START** START·ALL

**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



800.526.8817 | [vanair.com](http://vanair.com)

