

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.



Lithium-Ion Jump Starters & Power Packs

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^{SS} • 12/24 Volts

ENGINE:	Instantly jump starts engines up to 16 liter diesel
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 ^{SS} :	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



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.

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

**PROTECT-ALL**
Safety Technology

13-492-001

Battery Driven**1500 Amps • 24 Volts**

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

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 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

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 Remote 11 Gal. Tank
DRIVE SYSTEM:	Dual V
BATTERY:	Tie to chassis
DIMENSIONS:	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.
UNIT WEIGHT:	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

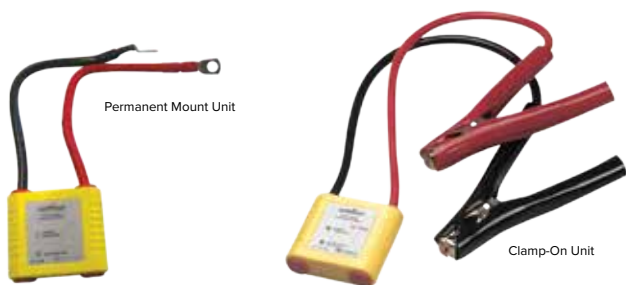
12V/24V STARTING:	Up to 3240A Starting Capability
MOTOR:	Gear Motor
DC ALTERNATOR:	240A 12VDC/24VDC
CABLES:	30' 3/0 ga.
POWER SOURCE:	Vanair® Super Capacitor™ (VSC™)
DRIVE SYSTEM:	V-Belt
BATTERY:	Vehicle Chassis
DIMENSIONS:	24" (L) x 18" (W) x 12" (H)
UNIT WEIGHT:	150 lbs.

CAP-START 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.

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.

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

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)

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



10,000 Amps • 133200 Joules^{SS} • 12 Volts

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^{SS}:	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



Lightweight! Only 11.1 lbs.!



JP-12-10000

PROTECT-ALL
Safety Technology



5000 Amps • 66000 Joules^{SS} • 12 Volts

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^{SS}:	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



Lightweight! Only 9.6 lbs.!



JP-12-5000

PROTECT-ALL
Safety Technology



2500 Amps • 33300 Joules^{SS} • 12 Volts

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^{SS}:	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



Lightweight! Only 4.4 lbs.!



JP-12-2500

PROTECT-ALL
Safety Technology



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

