



START-ALL® JUMP-PACK™
2500A 12V
BID SPECIFICATION
REVISED: July 11, 2019

Type:	Vanair Start-All Jump-Pack 2500A 12V. New and in current production.
12V Start:	Capable of delivering 18800 joules for 3 seconds discharge during crank attempts. Can start up to 6L gasoline engines or 4L diesel engines.
Safeties:	Protect-All® safety technology which includes reverse polarity, short circuit, low current, over current, over charge, over discharge, and over temperature protections. Error indicator LED. Display that shows charge level and status of the Jump-Pack. Illuminated on/off switch to show when the Jump-Pack is turned on. Audible indicator when error present. Time out function to prevent excessive drain of the battery.
Starting Cables:	7 gauge, 24" for each clamp, 54" combined length
Machine Weight:	4.5 (Lbs.)
Dimensions:	8.5L x 3.5W x 9.5H (inches)
Battery:	Lithium-ion cobalt, 55.5 watt-hours, 5,000mAh. Battery has a peak output of 2500A.
Voltage:	12.6V
Operating Temperature:	-4°F to +140°F (-20°C to +60°C)
Accessories:	18 VDC, 120-240 VAC wall charger, 18 VDC (plug) charger, safety strap, carabiner clip, and 3-in-1 cord with USB to lightning, USB-C, or micro USB connectors.
Instrument Panel:	Main on/off switch, LED status display, error indicator LED, accessory output on/off button, (4) USB – 5V 2.1A ports, (1) 12V 10A DC aux ports, (2) 12V 3.5A 6mm port, (1) 120 VAC 200 W port and LED work light with 3 display modes on the rear of the pack including SOS and strobe emergency lights.
Enclosure:	Rugged plastic housing with carrying handle and corner bumpers. There is space to stow the cables inside the housing.
Service Centers:	No user serviceable parts inside, return to Vanair for any service or repair.
Warranty:	One year from retail purchase date.



Lightweight!
Only 4.4 lbs.!



START-ALL 
Lithium-Ion Jump Starter & Power Pack

Stay Charged and In-Charge with Start-All® Lithium-Ion Jump Starter & Power Pack!

With the Start-All® Lithium-Ion Jump Starter & Power Pack – the most powerful jump starter in its class – you never have to worry about a dead battery or device again. Start-All® delivers maximum start-ability with the most battery capacity and initial starting power available. This lightweight, easy-to-use, and compact unit can do it all.

FEATURING:



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.

SPECIFICATIONS

Engine	Instantly Jump Starts Gasoline Engines up to 6.0L V8 -Diesel up to 4.0L
Part Numbers	JP-12-2500
Battery Type	High Output Premium Lithium-Ion
Capacity	59.2 Watt-Hours
Joules ^{SS}	33300
Amps	2500 Amps
Volts	12
Lifetime Performance	Up to 5000 Starts
Storage Temperature	40° F to 75° F; 4° C to 24° C
Built-In Protect-All® Safety Protection:	Reverse Polarity, Low Voltage Protection, Short Circuit, Overheat Protection, Over Discharge Protection, Over Voltage Protection, Open-Clamp Protection
Warranty	Limited One year

Start-All® 2500A Unit Dimensions with Fittings (In.): 8.5L x 3.5W x 9.5H
Dry Weight (Lbs): 4.4 lbs.



We Start Engines®

START•ALL+

Lithium-Ion Jump Starter & Power Pack

FEATURES

- Jump-Starts Gasoline Engines up to an 6.0L and Diesel 4.0L With an Impressive 2500 Amps and 33300s Joules So You Will Never Be Stranded Again
- 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 Your Laptop or Tools With the Convenient AC Plug
- Provides 500 Lumens LED Emergency Lighting With SOS and Strobe Emergency Functions



Includes Start•All® Jump Starter® with jumper cables plus 18 VDC, 120-240 VAC wall charger, 18 VDC (plug) charger, and 3-in-1 cord with USB to lightning, USB-C, or micro USB connectors.



WARNING! Pursuant to California Proposition 65, this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

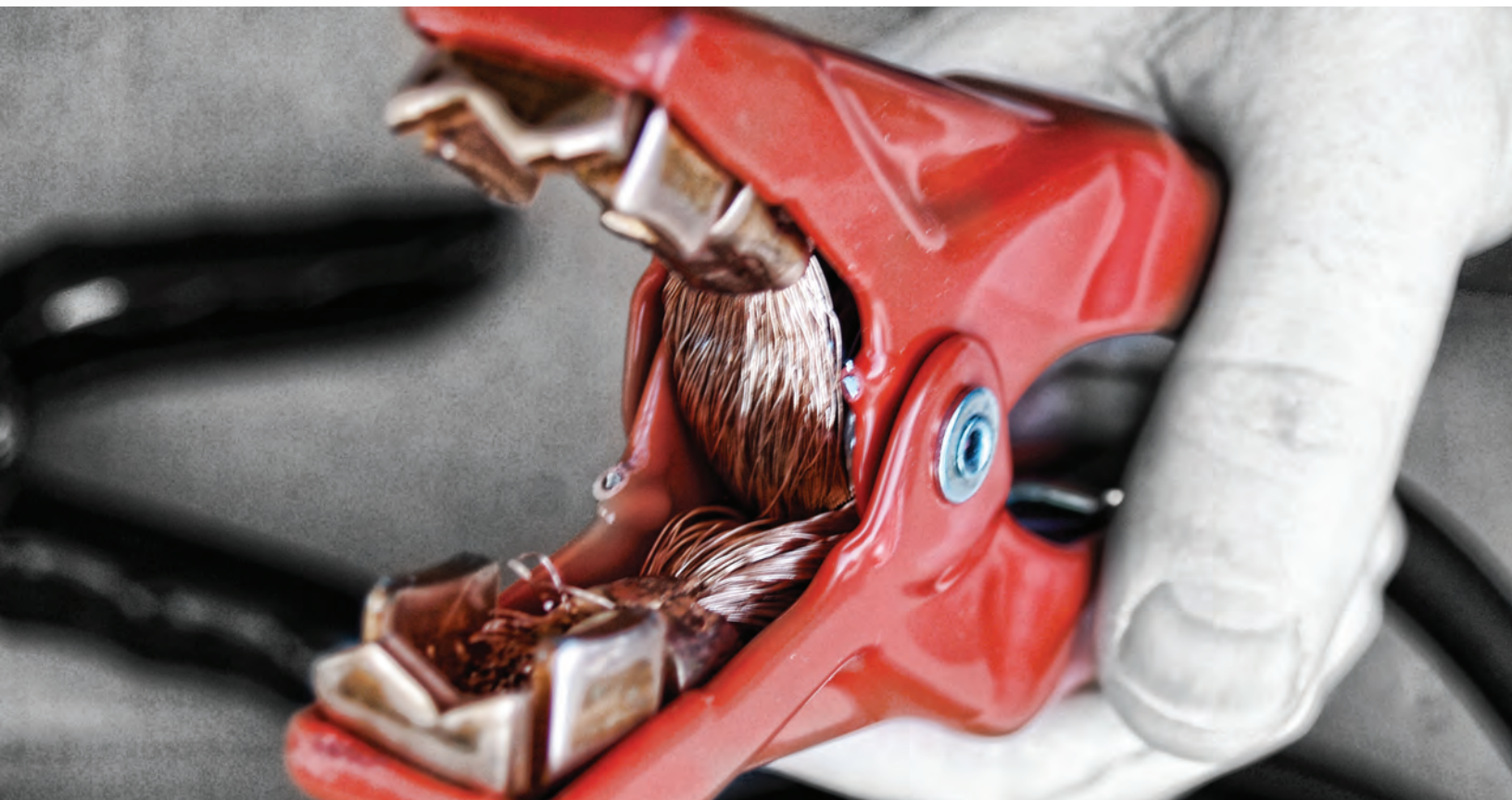
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We Start Engines®

Engine Starting Systems

Start•All Jump•Packs® • Cap•Start® • Boost•All® • Super Boost•All®

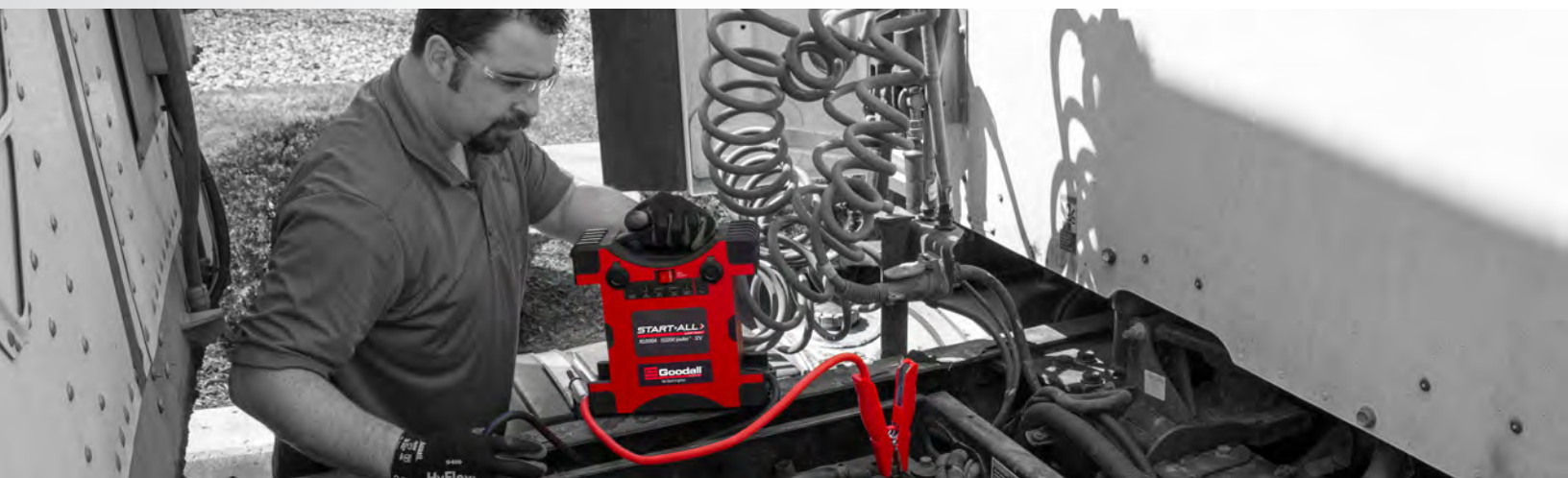


Since 1939, Goodall® Mfg. has set the standard for engine starting and mobile service equipment. Goodall®'s line of equipment includes a broad range of jump starters, air compressors, AC generators, and the highest quality, heavy duty cable and clamp products on the market. With this comprehensive selection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

Jump Your Vehicles — Charge Your Devices



2500 Amps • 18800 Joules^{5S} • 12 Volts

Lightweight! Only 4.4 lbs.!

ENGINE:	Instantly jump start gasoline engine up to 6.0L and diesel engines up to 4.0L
DIMENSIONS:	Unit Dimensions: 8.5"(L) x 3.5"(W) x 9.5"(H)
UNIT WEIGHT:	4.4 lbs. (1.99 kg)
BATTERY TYPE:	High output premium lithium-ion
CAPACITY:	59.2 Watt-hours (59,200 mWh)
JOULES ^{5S} :	18800
AMPS:	2500 Amps (<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



JP-12-2500



START-ALL®

JUMP-PACK



5000 Amps • 66000 Joules^{5S} • 12 Volts

ENGINE:	Instantly jump starts engines up to 10 liter diesel and gas
DIMENSIONS:	10.78" (L) x 4.33" (W) x 10.93" (H)
UNIT WEIGHT:	9.4 lbs. With case: 17 lbs.
BATTERY TYPE:	High output premium lithium-ion
CAPACITY:	118.4 Watt-hours (118,400 mWh)
JOULES ^{5S} :	66000
AMPS:	5000 Amps (<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 9.4 lbs.!



10,000 Amps • 133200 Joules^{5S} • 12 Volts

ENGINE:	Instantly jump starts engines up to 16 liter diesel
DIMENSIONS:	10.78" (L) x 4.33" (W) x 10.93" (H)
UNIT WEIGHT:	11 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 Amps (<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 lbs.!



BOOST-ALL START-ALL **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	12/24 volt
CABLES	10' 4/0 ga.
CLAMPS	1,000 AMP
DIMENSIONS	20" W x 26" D x 48" H 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 120 volt AC charger.

13-224

SUPER BOOST-ALL START-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 auxiliary jump starting batteries
CABLES	25' 2/0 ga.
CLAMPS	1,000 AMP
DIMENSIONS	10" W x 12" D x 10" H 50 lbs. (w/o batteries)

Output dependent on number of auxiliary batteries.



13-425

SUPER BOOST•ALL START•ALL

With Protect•All™

12/24 Volts

POWER SOURCE	2 or 4 Group 31 batteries
JUMP STARTING	12/24 Volt
CABLES	25' 2/0 ga.
CLAMPS	1,000 AMP
DIMENSIONS	15" W x 9" D x 16" H 48 lbs. (with cables)



PROTECT•ALL
Safety Technology

13-492-001

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

CAP•START START•ALL

Capacitor Powered Heavy Duty Engine Starting Systems for Instantaneous Starting Power

Battery Driven

1500 Amps • 24 Volts

POWER SOURCE	Super Capacitor & (2) Group 31 AGM batteries
JUMP STARTING	24 volt
CABLES	26' 4/0 ga.
CLAMPS	1,000 AMP Full Power
DIMENSIONS	44" W x 20" D x 14" H 309 lbs.



13-097-10

Features:

- Capacitor can be recharged 500,000 times
- Power cells are maintenance free
- Operating temperature range from -49°F to 122°F
- Quick disconnect red plug for plug-to-plug operation
- Includes reverse polarity and dead start circuitry protection



Engine Driven

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

3000 Amps • 12/24 Volts

12V & 12V/24V STARTING	Up to 3000 AMP Starting Capability
DC ALTERNATOR	240 AMP 12V/24V DC
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	21" W x 36" D x 20" H 295 lbs.

CAP·START®
START·ALL

Cap·Start® 3000 Safeties: Weather protected electrical enclosure, reverse polarity protection, open, closed or low circuit safety, low engine oil pressure shutdown, engine over-temperature shutdown, self regulating 3-stage charging system.



Engine Driven Plus Air Compressor

3000 Amps • 12 Volts • 24 CFM

12V & 12V/24V STARTING	Up to 3000 AMP Starting Capability
DC ALTERNATOR	240 AMP 12V/24V DC
POWER SOURCE	Vanair® Super Capacitor (VSC™) and 19 HP EFI Kohler® Engine
CABLES	30' 3/0 ga.
CFM RATING	24 CFM
AIR PRESSURE	175 PSI Max. Pressure
COMPRESSOR TYPE	Reciprocating
FUEL TYPE	Gasoline
FUEL CAPACITY	Plumb to Chassis or Remote 11 Gal. Tank
DRIVE SYSTEM	Dual V and Micro V Serpentine
BATTERY	Tie to chassis
DIMENSIONS	21" W x 45" D x 27" H 575 lbs.

CAP·START®
START·ALL

Cap·Start® 3000 Safeties: Weather protected electrical enclosure, reverse polarity protection, open, closed or low circuit safety, low engine oil pressure shutdown, engine over-temperature shutdown, self regulating 3-stage charging system.



Surge Protection and Cable Accessories



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



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 400 AMP clamps with weather cap
- 30 ft. standard duty kit, 4 gauge with blue plug 5 ft. battery to plug, 25 ft. plug to 400 AMP clamps with weather cap
- 20 ft. heavy duty kit, 2 gauge with blue plug 5 ft. battery to plug, 15 ft. plug to 500 AMP clamps with weather cap
- 30 ft. standard duty kit, 2 gauge with blue plug 5 ft. battery to plug, 25 ft. plug to 400 AMP 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 800 AMP 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 800 AMP clamps



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 24 volt protection
- LED's indicate correct polarity and low voltage at donor battery
- Suits cable 3/8" diameter or 2/0 gauge cable.

**Ensure your vehicle is correctly grounded before welding.*



Clamp-to-Clamp Cables

Available in the following configurations:

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

[View other battery chargers and jump starters made by DS18 on our website.](#)