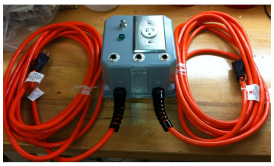

Model Number: Reverse6-15R

Clean Storm Reverse6-15R Power Joiner Step Up Inverter Electric AC Converts Dual 15Amp 115V To allow 230V 3 wire

Manufacturer: Clean Storm

Clean Storm Reverse6-15R Power Joiner – Convert Dual 120V to 240V (3 Wire)
Part Number: Reverse6-15R

Quick Summary — Read This First

- Converts two separate 115/120V outlets into 230–240V single phase power
- Output: NEMA 6-15R (3-wire)
- Maximum: 15 amps @ 240V (3450 watts)
- Works ONLY if outlets are on opposite electrical phases
- Will NOT work on GFCI outlets
- Designed for equipment under 15 amps

This Clean Storm Reverse6-15R power joiner allows you to operate 230–240V equipment using two standard 120V outlets. This is a temporary power solution commonly used in garages, workshops, and job sites where 240V power is not available.

How This Power Joiner Works

This unit combines two separate 120V circuits from opposite electrical phases to produce 240V power—similar to how a 2-pole breaker works inside your electrical panel.

- Plug both cords into separate outlets
- Press the test button
- Green light ON = correct phase / ready for use
- No light = move one plug to a different outlet

âš ï¸• Required Phase Warning
This unit ONLY works when plugged into two different electrical phases.

- Same phase = unit will NOT work
- Different phase = 240V output

If the unit does not work, it is almost always because both outlets are on the same phase—not because the unit is defective.

âš ï¸• GFCI Outlet Warning (Very Important)

Most garage and outdoor outlets are GFCI protected.
This product will NOT operate correctly on GFCI outlets.
GFCI outlets monitor current balance. Because this unit combines two circuits, it can cause the GFCI to trip even when working properly.
Options:

- Use non-GFCI outlets (where permitted)
- Use outlets in different rooms
- Consult a licensed electrician for a proper 240V circuit

ðŸ“º Watch How It Works (Video Demonstrations)

Proven Equipment That Works With Reverse6-15R
This unit has been successfully used with the following equipment:

- Table Saws: SawStop PCS31230
- Industrial Saws: Delta Unisaw
- Woodworking Equipment: Grizzly Shapers
- Metalworking: Drill Presses, Milling Machines, Gunsmith Lathes
- Cleaning Equipment: Electric Pressure Washers
- HVAC: Split system air conditioners and window units
- Floor Equipment: Edge sanders and floor sanders

This real-world usage proves this unit works when installed correctly.

Important Power Limitations

- This device does NOT increase power
- Limited by wall circuits
- Max output: 15 amps @ 240V
- Only for equipment under 15 amps

Safety Design Feature
Until both cords are plugged into power, the unit remains electrically isolated. This helps prevent accidental shock from exposed plug contacts.

Common Uses

- Home garage wood shops
- Temporary job site power
- Testing 240V equipment
- Running machinery where 240V is unavailable

Important Disclaimer
User assumes all responsibility for proper use. Always verify voltage, phase, and amp

draw before use.
This is a temporary power solution only. For permanent installation, consult a licensed electrician.

Until both 120 volt power cords are connected to a 120 volt electrical source, it is electrically isolated from the electrical circuit of the exposed male plug on the 2nd power cord. This protects the user from accidental shock through the exposed male plug contact if on power cord is unplugged.

Works with:
Pressure Washers:
BE Pressure B153EC
Table Saws: Sawstop MOTOR CONFIGURATION 3: PCS31230
Air conditioners: Friedrich CP18G30B, Friedrich SM18N30C, Friedrich SS12N30C, Frigidaire FFRE183U2, LG LW1816ER, Friedrich SM21N30E, Friedrich SM18N30B, Frigidaire FFRE2233U2, Friedrich SM20M30B, Friedrich SH15M30A.
AmeriCool WPC-5000
Pressure Washers: BE Pressure B153EC
Wood Shaper: Grizzly G1026 3 HP Shaper
Wood Edge Sander: Grizzly G0564 6" X 108" Oscillating Edge Sander
Lathes:
Grizzly G0824 14" X 40" Gunsmith Lathe with 2" Spindle Bore
Grizzly G0709 14" X 40" Gunsmithing Gearhead Lathe
Grizzly G0776 13" X 40" Gunsmithing Lathe with Dro
Grizzly G0750G 12" X 36" Gunsmithing Lathe
Grizzly G4003G 12" X 36" Gunsmithing Lathe with Stand
Milling Machines:
South Bend SB1027F 9" X 48" 3 HP Turret Mill with DRO
Grizzly G0667X 9" X 48" 3 HP High Precision Variable Speed Vertical Mill
Grizzly G0757Z 10" X 39" 3 HP Variable Speed Horizontal Vertical Mill with DRO
Grizzly G0795Z 8" X 28" 2 HP HD Benchtop Mill / Drill With Variable Speed
Grizzly G5074 8" X 29" 2 Hp HD Mill/Drill with Power Feed
Grizzly G0760 8" X 29" 2 HP Mill/Drill with Stand and Powerfeed
Grizzly G0761 10" X 32" 2 HP HD Benchtop Mill/Drill With Power Feed and Tapping

Perfect for electric cars (BEV), pressure washers, welders, plasma cutters, vapor steam cleaners, wall air conditioners and other high powered equipment when 230 volt plugs are just not available.

Split style and wall AC units often use the 6-20R AND 6-15R.
Used by Sawstop Safe Saw and air conditioning wall units.
We now use the combo receptacle NEMA 5-15 / 6-20 so it can be used with either type of plug. The difference is the dash 15 can have 15 amp breakers and the dash 20 will have 20 amp breakers but the the 6-20 can be used with all 6-15 equipment.

May not work with GFCI or LDCI 115 volt Outlets.

The above photo shows special order 15 amp breakers installed. The default breakers are 20 amp breakers.

Plastic Box is 6" X 6" X 4"
We no longer make this unit with the voltmeter installed, rather replaced the meter with a smaller green light. This allowed the box to be reduced in size from an eight inch box to this six inch box.

Dual Factory Installed (2)
Extension Power Cord 12-3 X 25 feet Heavy duty SJTW 15A-125V Lighted Ends 10-0860 30-071 E531 AX32 860836 D16612025 D11712025BL 12/3 EC0005

Factory Installed
3 units
Clean Storm Panel Mount 20 amp push button resettable breakers PP33-900163 PP140634 PHY018-005 E779

Green Light Voltage Notification.
Rubber feet on bottom of box.
You must test both wall outlets with a receptacle polarity tester before use!

20100823 Electrical Outlet Receptacle Polarity Tester 3 wire 120 volt

Note: User assumes all responsibility on use. It is the users responsibility to check

the inbound voltage, outbound voltage, and total amp draw to verify these are not going to be overloaded. The user agrees to test the amp draw of any appliance or machine that they plug into these converters to ensure they are not being overloaded. Meters are cheap and mistakes are expensive. You can purchase a meter at https://www.steam-brite.com/voltage-meter-mulitester-p-6259.html
User agrees to hold Steam Brite, its employees, and agents harmless in the event of any use of said use of converter. The user agrees to not hold SteamBrite and all employee against any problems that arise out of the use of said converters/ inverters. Remember, just because it plugs in does not mean it is OK to use!

Please remember the 80/20 electrical rule. If you are going to plug into a 15 amp 120 volt outlet and draw long term the device needs to be under 80% of 15 amps = 12 amps max.
If I plug into dual 120v 20 amp breakers long term then the 80/20 rules math is 20 amps X 80% = 16 amps max draw.

All sales are final on electrical components.

Documents:
Which Power Joiner Do I Need? (Download Comparison Guide)
“Understanding GFCI Limitations with 240V Power Joiners”
Owners Manual

Manufacture 1 yr warranty.
We have been manufacturing electrical power converters for over 45 years.

Tips: One customer wrote, "I plugged into different walls, not the same outlet, and it did not work."
Answer: This is incorrect step / understanding.
In order to have the power supply box work, it must be plugged into different phases.
There are two phases of power in every home.
Half of all the outlets are on left phase, and the other half is on right phase.
You must land on one of each phase in order for the power supply to work.
This means if I just randomly select two outlets in a home, I could be plugged into: two left side phases, 2 right side phases, or 1 of left + 1 right (correct use of power supply, depress phase locator button on the power supply box and will illuminate bright green on the phase locator light if you plugged in correctly.)
If you look at the breaker panel (photo to the right) and notice the column of breakers on the left side and then a column on the ride side.
The way a breaker box is wired is the top left breaker is left phase, the 2nd from the top left strait down the left column is right phase, 3rd down is left column is left phase, 4th down is right phase. These breakers alternate phase location all the way down each column.
The top right column of breakers works exactly the same way. You have to land on one left phase and and one right phase to make this item work. It is OK to have landed on a pair of outlets that is left and right side and each is positioned anywhere in the breaker panel.

Since this power supply box will not work with GFCI or LCI outlets you can also

replace a GFCI outlet with a standard wall receptacle.
Optionally, if the two breakers you want to use are on the same phase, simply change the location of one of the two breakers to be in a different position in the column. This is very easy to do and only takes a screw driver (see video link below.)
Go outside and turn off the breaker and turn off the breaker that is labeled as ‘main.’ Go back to the garage and take off the garage panel cover. Grab the breaker you want to relocate and simply switch positions with another breaker either one up or one down in the column. You can change the location of the breaker or change the location of the wire in the breaker (your choice.) This will put the breaker on a different phase. Again, see video below on how to do this.
https://youtu.be/BG9I-PokSdI?si=m06267ZWR54Tiknu
and
https://youtu.be/IzTV9t7bnH8?si=p1lgRxxO5gsEvmub

Once you are on different phases, and press the momentary phase location button on your power supply box, the green light will be bright green telling you, you selected one left and one right phase and you are good to use this power supply box below the required amp draw of the wall outlets you plugged into.

Optional Factory Installed 600 Volt, 80,000 Amp Surge Protection

Square D HEPD80 Whole Home Electronics Protective Device, AC Surge Protection, Type 1 SPD, 120/240VAC, 1Phase 3Wire, 80kA
HEPD devices protect and provide surge suppression for important items that are not compatible with plug strips such as electric cars, concrete grinders, concrete compression testing equipment, floor sanders, concrete dust and HEPA vacuums, laser and light show equipment, table saws, washers, dryers, refrigerators, stoves, heating and air conditioning equipment, and lighting.

Extended Proven Equipment Compatibility
The Reverse6-15R has been successfully used in real-world applications across multiple industries. Below are additional known compatible machine types when operating within the 15 amp limit:

- Cabinet table saws (lower amp configurations)
- Shapers and jointers
- Metalworking lathes and milling machines
- Drill presses and fabrication tools
- Floor sanding equipment
- Small HVAC compressors and split systems
- Electric pressure washers under 15 amps
- Dust collection systems (single motor)

Note: Actual compatibility depends on the machine’s true amp draw under load, not just the nameplate rating.

Electrical Requirements Checklist

- Two separate 120V outlets required
- Outlets must be on opposite electrical phases
- Outlets must NOT be GFCI protected
- Circuits should be 15 amp minimum
- Verify wiring with a polarity tester
- Confirm voltage output before connecting equipment

Why This Product Exists
Many homes, garages, and job sites do not have dedicated 240V outlets available. Installing a permanent 240V circuit may require permits, electrical work, and added cost.
This power joiner provides a temporary solution for running 240V equipment using existing 120V circuits when used correctly.

Real-World Customer Use Cases

- Garage wood shop setup (table saws, dust collection)
- Testing equipment before installing permanent 240V power
- Temporary job site setups
- Running equipment in rental or shared spaces
- Backup power option when 240V circuits are unavailable

Troubleshooting Guide

- Depress phase location button / No green light: outlets are on same phase — move one plug
- Breaker trips: equipment exceeds amp capacity
- GFCI trips immediately: unit is not compatible with GFCI outlets
- Machine runs weak: voltage drop or overloaded circuit

Important Power Limitation Reminder
This unit does NOT increase available electrical power.

- Two 15 amp circuits = maximum 15 amps at 240V
- Continuous loads should be reduced further for safety
- Always verify actual amp draw under load

Final Disclaimer
This product is intended for temporary power use only. All electrical use must comply with local codes and regulations.

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Steam-Brite does not provide installation instructions. Consult a licensed electrician for permanent or code-compliant solutions.

Availability: This product was added to our catalog on Friday 03 April, 2015