Model Number: Reverse10-30R

Clean Storm Reverse10-30R Power Joiner Step Up Inverter Converts Dual 20 amp 115 Volt outlets to allow 230 Volt 3 wire

Manufacturer: Clean Storm

Clean Storm Reverse10-30R Power Joiner / Step-Up 240 Volt Adapter Box
Part Number: Reverse10-30R
The Clean Storm Reverse10-30R is a temporary step-up power joiner designed to convert two separate 115/120 volt outlets on opposite electrical phases into 230/240 volt single phase power through a NEMA 10-30R 3-wire receptacle. This allows certain 230/240 volt equipment to be used when a dedicated 240 volt outlet is not available.
Key Benefits

- Converts two separate 115/120V outlets into 230/240V single phase power
- NEMA 10-30R output receptacle
- Supports equipment under 20 amps at 230/240V when supplied by two proper 20 amp circuits
- Up to 4600 watts maximum output
- Dual 12/3 x 25 ft power cords
- Dual 20 amp push-button breakers
- Green phase/voltage indicator light confirms correct outlet pairing
- Rubber feet on bottom of box

Common Applications

- Level 2 EV chargers within amp limits
- Electric pressure washers
- Vapor steam cleaners
- Small welders and plasma cutters within rating
- Dust collectors and specialty vacuums
- Other 230/240V single phase equipment using a compatible NEMA 10-30P plug

How It Works
Plug each 120V power cord into a different 120V outlet. Press the momentary test button. If the green light turns on, the two outlets are on opposite phases and the box can provide approximately 230/240V output. If the green light does not turn on, move one cord to a different outlet and retest.
Not every pair of outlets will work. The two outlets must be on opposite electrical phases.
Specifications

Model
Reverse10-30R

Input
Two separate 115/120V outlets / Nema 5-15P

Output
230/240V single phase

Output Receptacle
NEMA 10-30R, 3 wire

Maximum Output
Up to 20 amps at 230/240V when supplied by two 20 amp circuits

Maximum Wattage
Up to 4600 watts

Power Cords
Dual 12/3 x 25 ft cords

Breakers
Dual 20 amp push-button breakers

Indicator
Green 240V phase confirmation light

Box Size
6" x 6" x 4"

Important Amp Draw Warning
This adapter does not magically create more power than the wall circuits can supply. If connected to two 20 amp 120V circuits, the maximum available 240V output is limited to 20 amps. For long-term continuous use, follow the 80% rule: 20 amps x 80% = 16 amps recommended continuous maximum.
If connected to two 15 amp circuits, the output is limited by the 15 amp circuits. For continuous use on 15 amp circuits, recommended maximum load is approximately 12 amps.
Before You Plug In Equipment

- Test both 120V wall outlets with a 3-wire receptacle polarity tester.
- Verify both outlets are properly wired and grounded.
- Confirm the two outlets are on opposite phases using the green indicator light.

- Check output voltage with a meter before use.
- Confirm actual equipment amp draw under load.
- Do not use on GFCI or LDCI protected 120V outlets.
- Do not use in rain, wet locations, or outdoor exposed conditions.

Recommended Add-On
Electrical Outlet Receptacle Tester 3 Wire 120 Volt, Part 20100823
Recommended for checking both 120V outlets before using this power joiner.
Important Disclaimer
User assumes all responsibility for proper use. It is the user’s responsibility to verify incoming voltage, outgoing voltage, outlet polarity, phase location, breaker size, amp draw, and equipment compatibility before connecting any machine or appliance. Meters are inexpensive; electrical mistakes are expensive and dangerous.
Just because a plug fits does not mean the equipment is safe to operate. This product is intended for temporary power use only. For permanent or repeated 230/240V operation, consult a licensed electrician and install the correct dedicated 240V circuit, breaker, wiring, and receptacle.
Warranty
Manufacturer 1 year warranty. Optional extended warranty may be available at checkout.
Power Cord Adapter Inverter (Reverse Converter) Takes two 115 volt outlets and allows you to use 230 volt appliances that uses under 20 amp @ 230 volts (4600 watts) Single phase current to NEMA 10-30R receptacle. Fast and Easy 220

Used with Hypervac 220 Volt Variable Speed Revolution HYBRID Vacuum.
Also work on Multiplaz welders, SkyVac 85 240V 3 Motor Vacuums, and Falcon Pro Solution Steam Vapor Machines.
Works with the Blastrac BDC-24 Dust Collector.

If your pressure washer needs 23 amps @ 240 volts and you are plugged into 20 amp 115 volt outlets, you will need to turn the pressure down to lower the amp draw. Just turn the pressure regulator / unloader knob counter clockwise. The less pressure, the less horse power is needed to turn the electric motor and this will lower the amp draw. 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.

Plastic Box is 6" X 6" X 4"
Dual 12-3 X 25 ft power cords with dual 20 amp push breakers.
Green Light 240 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 Tester 3 wire 120 volt

Documents:
Will this work with an electric clothes dryer?

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

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 600V 80,000 amp Surge Protection

Square D HEPD80 Whole Home Electronics Protective Device, AC Surge Protection, Type 1 SPD, 120/240VAC, 1Phase 3Wire, 80kA

Availability: This product was added to our catalog on Friday 01 October, 2004