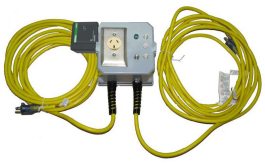

Model Number: 20240537

Clean Storm Reverse10-20R 80Ka Surge Power Joiner Step Up Inverter Electric AC Converts Dual 20A 120V To 230V 3Wire 20240537

Manufacturer: Clean Storm

Clean Storm Reverse10-20R 80kA Surge Protected Power Joiner
Part Number: 20240537
The Clean Storm Reverse10-20R 20240537 is a temporary step-up power joiner designed to convert two separate 120 volt, 20 amp outlets on opposite phases into 230/240 volt single phase power through a NEMA 10-20R receptacle. This upgraded version includes factory-installed Square D HEPD80 surge protection rated for 80kA surge current on 120/240V single phase, 3-wire systems.
Why Buy This Version?

- Includes factory-installed 80kA surge protection
- Helps protect sensitive 230/240V equipment from voltage spikes
- Converts two separate 120V circuits into 230/240V single phase power
- Designed for equipment under 20 amps at 230/240V
- Green test light confirms when the correct opposite-phase outlet combination is found
- Built with dual 12/3 x 25 ft power cords
- Includes dual 20 amp push-button breakers

Common Uses

- Electric pressure washers
- Concrete grinders and floor sanders within amp limits
- Dust collectors and HEPA vacuums
- Vapor steam cleaners
- Wall air conditioners
- Small welders and plasma cutters within rating
- Level 2 EV chargers within amp limits

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

Input
Two separate 120V circuits

Output

230/240V single phase

Output Receptacle
NEMA 10-20R

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

Power Capacity
Up to 4600 watts

Cords
Dual 12/3 x 25 ft power cords

Breakers
Dual 20 amp push-button breakers

Box Size
6" x 6" x 4"

Indicator
Green voltage / phase confirmation light

Surge Protection
Square D HEPD80, 80kA, 120/240V, 1 phase, 3 wire, Type 1 SPD

80kA Surge Protection Advantage
This model includes a factory-installed Square D HEPD80 surge protective device. The HEPD80 is rated for 120/240V single phase, 3-wire systems and provides 80kA surge current capacity. This is useful when powering expensive equipment such as EV chargers, concrete equipment, vacuums, electronics, grinders, pressure washers, and other 230/240V appliances that may be damaged by voltage spikes.
Important 80% Continuous Load Rule

- Two 20 amp circuits can supply up to 20 amps at 230/240V for short-term loads.
- For long-term continuous loads, follow the 80% rule: 20 amps x 80% = 16 amps continuous recommended maximum.
- If plugged into two 15 amp circuits, output is limited by the 15 amp circuits.
- Always verify actual amp draw with a meter before use.

Safety Requirements

- Test both wall outlets with a 3-wire receptacle polarity tester before use.
- Do not use on GFCI or LDCI protected 120V outlets.
- Do not use in rain, wet areas, or outdoor exposed conditions.
- Verify incoming voltage, outgoing voltage, and amp draw before operating equipment.
- Just because a plug fits does not mean the equipment is safe to operate.

Recommended Add-On
Electrical Outlet Receptacle Tester 3 Wire 120 Volt, Part 20100823
Recommended for confirming that both wall outlets are correctly wired before connecting this power joiner.
Important Disclaimer
User assumes all responsibility for proper use. It is the user's responsibility to verify voltage, polarity, phase location, amp draw, breaker size, receptacle condition, and equipment compatibility before use. Meters are inexpensive; electrical mistakes can be expensive and dangerous.
This item is intended for temporary power use only. For permanent or repeated 230/240V operation, consult a licensed electrician and install the correct dedicated breaker, wire, and receptacle for the equipment being used.
Warranty
Manufacturer 1 year warranty. Optional extended warranty may be available at checkout.

Bundle includes:

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

Factory Installed 600 Volt 80,000 Amp Surge Protection

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, washers, dryers, refrigerators, stoves, heating and air conditioning equipment, and lighting.

Clean Storm Reverse10-20R Power Joiner Step Up Inverter Electric AC Converts Dual 20 amp 115 Volt To allow 230 Volt 3 wire

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Plastic Box is 6" X 6" X 4"
Dual 12-3 X 25 ft power cords with dual 20 amp push breakers.
Green Light Voltage Notification
Rubber feet on bottom of box or hang on the wall.
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.

You must test both wall outlets with a receptacle polarity tester before use!

Electrical Outlet Receptacle Tester 3 wire 120 volt

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

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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.

“Understanding GFCI Limitations with 240V Power Joiners”

Availability: This product was added to our catalog on Tuesday 04 June, 2024