Clean Storm Reverse14-30R 80Ka Surge Power Joiner Step Up Inverter Converts Dual 20A 115V Outlets to 230V 4Wire 20240541



Model Number: 20240541

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Manufacturer: Clean Storm

Clean Storm Reverse14-30R 80kA Surge Protected 240V Power Joiner — 4 Wire
Part Number: 20240541

Quick Summary — Read This First

- Converts two separate 115/120V outlets into 230/240V single phase power.
- Output receptacle: NEMA 14-30R 4-wire — Hot / Hot / Neutral / Ground.
- Best for equipment under 20 amps at 240V.
- Recommended continuous load: 16 amps or less.
- Includes Square D HEPD80 80kA surge protection.
- Both outlets must be on opposite electrical phases.
- Green light ON = correct setup. No light = move one plug.

The Clean Storm Reverse14-30R 20240541 converts two separate 115/120 volt outlets into 230/240 volt single phase power using a NEMA 14-30R 4-wire receptacle. This model includes factory-installed 80kA surge protection to help protect connected equipment.

How This Power Joiner Works

This unit combines two 120V circuits from opposite electrical phases to create approximately 240V single phase power — similar to a 2-pole breaker.
Plug each cord into a different outlet and press the test button:

- Green light ON = correct (240V ready)
- No light = move one plug and test again

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

- Half your outlets are on one phase, half on the other
- You must plug into one of each
- Same phase = unit will NOT work

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How To Use + Video Demonstrations

Why This Is the 4-Wire Version

- Hot / Hot / Neutral / Ground
- Supports equipment that requires neutral
- Compatible with EV chargers and modern appliances

Not the same as 10-30R (3-wire).

Will This Work With My Machine?

Voltage
Must be 230/240V single phase

Plug
NEMA 14-30P

Amp Draw
Under 20A (16A recommended)

Neutral Needed
Supported

3-Phase?
Will NOT work

Top 5 Mistakes to Avoid

- Same phase outlets → no 240V
- Assuming any 2 outlets work
- Over 20 amp equipment
- Ignoring 16A continuous limit

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- Wrong plug type

What Equipment Can Run on This?

- EV chargers (set to 16–20A)
- HEPA vacuums
- Small grinders
- Pressure washers
- Portable heaters
- Light-duty welders

80kA Surge Protection Advantage
Includes Square D HEPD80 surge protection to protect high-value equipment.

Specifications

- Output: 240V single phase
- Receptacle: NEMA 14-30R
- Max Output: 20A
- Continuous: 16A recommended
- Max Watts: 4600W
- Cords: Dual 12/3 x 25 ft

Important Power Limitation

- Does NOT increase power
- Limited by wall circuits
- Two 20A circuits = 20A max

Safety Requirements

- Test outlets with polarity tester
- Verify voltage with meter
- Confirm opposite phases
- Do not use in wet conditions

Advanced Phase Explanation (For Troubleshooting)

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Breaker panels alternate phases. If you pick two outlets randomly, there is a 50% chance they are on the same phase.
You must land on one outlet from each phase to generate 240V.
If not working, move one plug to another outlet until the green light turns on.

Important Disclaimer
User assumes all responsibility. Verify voltage, polarity, phase, and amp draw before use.
Temporary power only. Not a permanent wiring solution.

Bundle Includes
Square D HEPD80 80kA Surge Protector (Factory Installed)
Clean Storm Reverse14-30R Power Joiner

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

Availability: This product was added to our catalog on Thursday 06 June, 2024

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