



Model Number: 20240550

Power Joiner Step Up Inverter Converts Dual 20A 120V outlets to 240V 3Wire L6-30R ReverseL6-30R 80Ka Surge 20240550

Manufacturer: Clean Storm

Power Cord Adapter Inverter (Reverse Converter) Takes two 115-120 volt outlets and allows you to use 230-240 volt appliances that uses under 20 amps @ 230-240 volts (4800 watts) current to NEMA L6-30R single phase receptacle. Commonly used with most Electric Cars, Concrete Vacuum Systems, Electric Pressure Washers, Barco Large Venue Projectors, and Sawstop, Floor and Stroke Wood Sanders, Three Spindle Shapers, Gearhead Lathes, and many Plasma Cutters. Fast and easy 240 volts.

Bundle Includes:

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

Factory Installed Heavy Duty 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.

Power Joiner Step Up Inverter Converts Dual 20 amp 120 Volt outlets to 240 Volt 3 wire 15 amp L6-30R Reverse L6-30R

Works with Husqvarna PG400, PG510, PG530 Floor Grinders

Max Power output 4800 (20 amps @ 240 Volts), recommended power output 3840 watts (16 amps @ 240 volts).

Used with the following large venue 4K projectors, laser cinema projectors, concrete grinders, 240 volt hepa vacuums, Three-Spindle Shapers:

Lavina Elite L13E Grinder

Lavina L16EU Grinder

Lavina L20E Grinder

Lavina Elite L20NE Grinder

Lavina V25EU Vacuum

Lavina V20E230 Vacuum

Lavina V20EU Vacuum

Barco UDX-4K26 (item R9008984)

Barco UDX-4K32 (item R9008600)

Barco UDX-W40 (item R9008980) 3750 Watts (for uses with limited hours since it is so close to 3800 watts)

Barco F80-Q12 (R9005971)

Barco HDX-W12 (R9014000) 3-chip DLP projector

Barco HDX-W14 (R9013000) 14,000 Lumens, WUXGA, 3 Chip DLP projector.

Barco HDX-W18 (R9012000) 18,000 Lumens, WUXGA, 3 Chip DLP projector

Barco HDX-W20 FLEX (9012005) 20,000 Lumens, WUXGA, 3 Chip DLP projector

Barco UDX-W22 (R9008603)

Barco UDX-W32 (R9008601) 32,000 Lumens, WUXGA, 3 chip DLP laser Projector

Barco F80-4K12 (R90059521)

Barco DP4K-13BLPHC Alchemy (R9007206)

Barco DP4K-13BLPHC ICP (R9007208)

Barco DP2K-8S without Barco Alchemy (R9004703)

Barco DP2K-8S Barco Alchemy (1TB) (R9406717)

Barco DP2K-8S Barco Alchemy (2 TB) (R9406747)

Barco E2 (R9004799)

Grizzly G9933 3 HP Three Spindle Shaper
Grizzly G0679 6" X 186" Stroke Sander
South Bend SB1049F 13" X 30" Gearhead Lathe with Fagor DRO
South Bend SB1049 Heavy 13, 13" X 30" Gearhead Lathe
Blastrac 1-8DEC shot blasters
Workmaster Raptor XT
Workmaster Titan XT
Anderson Sanders
Pullman Ermator S36 vacuum

Perfect for electric cars (BEV), pressure washers, welders, plasma cutters, vapor steam cleaners, and other high powered equipment when 230-240 volt plug

s are just not available.

Not for use on GFCI or LDCI outlets.

To use simply plug into different outlets and push the momentary button to test voltage. If the voltage read between 220 to 240 volts (Green light turns on) you are good to go. Not all outlet combinations will produce the correct voltage so you have to test before each use. If you push the voltage test button and it reads 120 volts, simply re-located one of the power cords to a different location and retest. Every job site location has the ability to provide plus or minus 230 volts. If you use 15 amp 115 to 120 volt circuits then you will only be able to operate 15 amp 230-240 volt equipment. If your pressure washer needs 23 amps @ 240 volts and you are plugged into 20 amp 120 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 non plugged in side on the 2nd power cord. This protects the user from accidental shock through the plug contact.

Can also be used with:

Villo VFG-3S or the VFG-3SA Concrete dust collectors.

Tripp Lite Pdu Monitored Horizontal 5.8kw 208/240v L6-30r 2 L6-30p Ats 1urm -
Nema L6-30p

APC BASIC PDU 208V 30A L6-30P 0U 20XC13 4XC19 TOOLESS MOUNTING

Tripp Lite PDU Monitored Horizontal 5.8kw 208/240V L6-30R 2 L6-30P ATS 1URM

Tripp Lite PDUMNH30HVAT 5.8kW Single-Phase 208/240V ATS/Monitored PDU

L6-30R Outlet 2 L6-30P Inputs 1U Rackmount

APC Smart-UPS SRT 5000VA 4250W 208V Online Ext Runtime L6-30P (SRT5KXLT)

Oahu plasma cutter

Miller Spectrum 625 Plasma Cutter w/Machine Torch 907579002

APC AP8941 Switched Power Distribution Unit NEMA L6 30P

Brew Boss 120 Volt 2250 Watt Foldback Heating Element with Integrated L6-30P
Plug

Used with the Bona AB FlexiSand AMO310002.2

Used with Clarke American Sanders B-2+DC

American Sanders 07104A, 07104B, 07202A, 07105A, 07203A

Plastic Box is 6" X 6" X 4"

Dual 12-3 X 25 ft power cords with triple 20 amp push breakers.

Built in Green light 240 voltage notification.

Rubber feet on bottom of box

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

Electrical Outlet Receptacle 20100823 Tester 3 wire 120 volt

This is to confirm your home or office was wired correctly.

Note: User assumes all responsibility on use. Test and know your equipment!
Not for use in the rain.

Please remember the 80/20 electrical rule. If you are going to plug into a 15 amp outlet and draw long term the device needs to be under 80% of 15 amps = 12 amps max.

If I plug into dual 20 amp breakers long term then the 80/20 rules math is 20 amps X 80% = 16 amps max.

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 right side.
The way a breaker box is wired is the top left breaker is left phase, the 2nd from the top left straight 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 one right phase to make this item work. It is OK to have landed on a pair of outlets that is left phase and right phase 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-PokSdl?si=m06267ZWR54Tiknu>
and
<https://youtu.be/lzTV9t7bnH8?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.

Testimonial:

CWP Productions uses these with their
Barco HDX-W20 FLEX (9012005) 20,000 Lumens, WUXGA, 3 Chip DLP projector
www.cwpproductions.com

Optional

Clean Storm HEPA Concrete Grinder Dust Slurry Extractor Collector Triple

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

Vacuum Motors 5 Stage Filter System Wet/Dry Shop Vac 335CFM 20230111
Video On Link!

.Owners Manual

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