

2000W Light-Duty Compact Power Inverter - 2x 5-15/20R, USB Charging, Pure Sine Wave, Wired Remote

MODEL NUMBER: PINV2000SWL-120



Converts 12V DC power into 110V AC power for operating computers and other electronics while traveling or working at remote locations that lack AC power.

Features

Industrial-Grade Inverter Charges and Powers Multiple Electronic Devices in Your Vehicle

You don't have to be near an AC power source to keep your mobile devices fully charged and your power tools and small appliances operating. This 2000W mobile inverter converts 12V DC power from your car, utility truck, fleet vehicle, boat or RV's battery into pure sine wave 110V AC power. Just connect the included battery cables between the PINV2000SWL-120's DC input terminals and the positive and negative terminals on your vehicle's battery. An LCD displays capacity, voltage, frequency, current and fault information.

GFCI-Protected AC Outlets Provide Portable Power for Your Mobile Applications

This heavy-duty power inverter provides a modified sine wave for use at remote locations, such as campgrounds, construction sites and mobile offices. Two NEMA 5-15/20R outlets deliver a continuous output of 2000W and a peak surge output of 4000W. That's plenty to operate a variety of appliances and power tools, such as low-power lights, telemetry equipment, smart battery rechargers for small battery-operated power tools, and mobile office equipment. Both outlets feature OSHA-compliant GFCI (Ground Fault Circuit Interrupter) protection to shield you from electrical hazards due to excessive fault current.

USB Charging Ports Keep Your Devices at Full Strength

A 5V USB-A port outputs DC power up to 2.1A. A USB-C port outputs 5V/9V/12V fast-charging up to 18W maximum. Both USB ports remain active when the inverter's on/off switch is set to Off. This allows you to charge your smartphone, tablet, laptop or GPS unit without draining too much power from the vehicle's battery.

Includes the Latest Safety Features to Protect Your Equipment and Battery

The on/off switch offers one-touch control over all AC outlets. If the power input from the vehicle's battery drops below 10V or exceeds 16V, the PINV2000SWL-120 will automatically shut down. Green and red LEDs indicate normal and improper operation. The temperature-controlled fan system begins cooling automatically when the internal temperature rises to a certain level during extended use. An audible alarm sounds during excessively low voltage or fault conditions.

Remote Control Module Allows Power Control from 20 ft. Away

The included PINVSWRM remote control module with 20-foot (6-meter) cable connects to the telephone-style RJ12 jack on the inverter's front panel. The module lets you mount the inverter out of sight, such as

Highlights

- Provides pure sine wave power for appliances, power tools and other electronics
- Ideal for areas without power outlets, such as construction sites or mobile offices
- NEMA 5-15/20R GFCI outlets deliver 2000W continuous/4000W peak output
- USB charging ports keep smartphones, tablets and laptops at full capacity
- Wired remote module extends power control to cab of utility or work truck

Package Includes

- PINV2000SWL-120 2000W Light-Duty Compact Power Inverter
- (4) DC battery cables with ring terminals, 18 in. (45.7 cm)
- Ground wire with clamp
- PINVSWRM wired remote kit
- Mounting hardware
- Owner's manual



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below your truck cab's jump seat or inside the glove compartment, and operate it from your vehicle's dashboard. The green LED confirms the inverter is powered on and operating correctly.

Brackets Included for Permanent Mounting

The industrial power inverter's aluminum housing withstands the rigors of worksites, construction sites, business trips and family vacations. Use the built-in mounting brackets and included hardware to permanently install the inverter in a horizontal position.

Specifications

| OVERVIEW | |
|-------------------------------------|--|
| UPC Code | 037332266750 |
| INPUT | |
| Recommended Electrical Service | 12V DC |
| Input Connection Type | DC terminal posts for included or user-supplied battery cables with ring terminals |
| Voltage Compatibility (VAC) | 110; 120 |
| Voltage Compatibility (VDC) | 11-15 |
| Input Cord Length (ft.) | 1.5 |
| Input Cord Length (m) | 0.46 |
| OUTPUT | |
| Frequency Compatibility | 60 Hz |
| Output Receptacle Details | The two GFCI protected outlets accept 15A or 20A equipment plugs. |
| Pure Sine Wave Output | Yes |
| Output (Watts) | 2000W |
| Output AC Waveform (Battery Mode) | Sine wave |
| Nominal Output Voltage(s) Supported | 110V |
| Output Receptacles | (2) 5-15/20R |
| Continuous Output Capacity (Watts) | 2000 |
| Peak Output Capacity (Watts) | 4000 |
| Output Voltage Regulation | Maintains PWM sine wave output voltage of 120VAC (+/- 10%) |
| Output Frequency Regulation | 60Hz (+/- 3Hz) |
| Overload Protection | Supports loads up to 2300W for 1 min. 4000W peak for 0.5 sec. |
| Output Voltage (VDC) | 5V (USB-A), 5V / 9V / 12V (USB-C) |
| BATTERY | |
| Expandable Runtime | No |
| Expandable Battery Runtime | User-Supplied 12VDC battery system |



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|--|--|
| DC System Voltage (VDC) | 12 |
| Battery Pack Accessory (Optional) | User-Supplied; 98-121, BP260 |
| POWER | |
| Sine Wave | Pure Sine Wave |
| USER INTERFACE, ALERTS & CONTROLS | |
| Front Panel LEDs | Single multi-color status LED for operation (Green) and fault conditions (RED), GFCI protection status LED (Green); PINVRM connection status LED (Green); GFCI status LEDs (Green) |
| Switches | Inverter: ON/OFF Rocker Switch; Optional PINVSWRM wired remote panel: ON/OFF momentary push-button switch. |
| Audible Alarm | LOW BATTERY VOLTAGE, OVER-TEMPERATURE, HIGH VOLTAGE, LOW VOLTAGE SHUTDOWN, OVERLOAD PROTECTION |
| CHARGING | |
| Charging Port Type | (1) USB A (FEMALE); (1) USB C (FEMALE) |
| Charging Ports / Amps | (1) 2.1A; (1) 3A / 2A / 1.5A |
| PHYSICAL | |
| Color | Black; Blue |
| Material of Construction | Aluminum, Steel |
| Cooling Method | Temperature Controlled Fans |
| Form Factors Supported | Horizontal floor, wall mounting (AC Output or DC Input side should never be facing vertically) |
| Housing Color | Black; Blue |
| Receptacle Color | White |
| Shipping Dimensions (hwd / in.) | 6.20 x 12.50 x 19.60 |
| Shipping Dimensions (hwd / cm) | 15.75 x 31.75 x 49.78 |
| Shipping Weight (lbs.) | 14.20 |
| Shipping Weight (kg) | 6.44 |
| Unit Dimensions (hwd / in.) | 4.000 x 9.800 x 15.400 |
| Unit Dimensions (hwd / cm) | 11.684 x 26.60 x 36.58 |
| Unit Weight (lbs.) | 12.19 |
| Unit Weight (kg) | 5.53 |
| ENVIRONMENTAL | |
| Relative Humidity | 0-95% non-condensing |
| Operating Temperature | 32° to 104° F (0° to 40° C), Ideal ambient operating temperature range 5° to 77° F (-15° to 25° C) |
| FEATURES & SPECIFICATIONS | |
| Grounding | Grounding lug grounds the inverter to vehicle or earth ground; ground cable included |



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| STANDARDS & COMPLIANCE | |
|-------------------------------------|--|
| Product Certifications | CAN/CSA-C22.2 No. 107.1 (Canada); UL 458 |
| Product Compliance | FCC Part 15 Class B (USA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Optional Coverage | 1-year, 2-year, 3-year extended warranty options available |

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