600W Light-Duty Compact Power Inverter - 2x 5-15R, USB Charging, Pure Sine Wave

MODEL NUMBER: **PINV600SW-120**



Converts 12V DC power from your vehicle's battery into 110V AC power for operating electronics while at remote locations that lack AC power.

Features

Mobile Sine Wave 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 operating. This 600W 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 PINV600SW-120's DC input terminals and the positive and negative terminals on your vehicle's battery.

AC Outlets Provide Portable Power for Your Mobile Applications
This compact power inverter provides pure sine wave AC output for use at remote locations, such as campgrounds, construction sites and mobile offices. Two NEMA 5-15R outlets provide a continuous output of 600W and a peak output of 1200W. 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.

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 both AC outlets. If the power input from the vehicle's battery drops below 10V or exceeds 16V, the PINV600SW-120 will automatically shut down. Green and red LEDs indicate normal and improper operation. A load-controlled fan begins cooling automatically when the internal temperature rises to a certain level during extended use. An audible alarm sounds during excessively high/low voltage or fault conditions.

Brackets Included for Permanent Mounting
The durable 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.

Highlights

- Provides pure sine wave power for mobile devices, including laptops and smartphones
- Ideal for areas without power outlets, such as construction sites or mobile offices
- NEMA 5-15R outlets deliver continuous output of 600W for powering devices
- USB charging ports keep smartphones, tablets and laptops at full capacity
- Rugged aluminum housing designed to withstand rigors of travel and outdoor use

Package Includes

- PINV600SW-120 600W Light-Duty Compact Power Inverter
- (2) DC battery cables, 18 in. (45.7 cm)
- Ground wire with clamp
- Mounting hardware
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332266736
INPUT	
Recommended Electrical Service	12VDC Battery System
Input Connection Type	DC Terminal post for use with included or user-supplied battery cabling with ring terminals.
Voltage Compatibility (VDC)	11-15
Input Cord Length (ft.)	1.5
Input Cord Length (m)	0.46
OUTPUT	
Frequency Compatibility	60 Hz
Pure Sine Wave Output	Yes
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V
Output Receptacles	(2) 5-15R
Continuous Output Capacity (Watts)	600
Peak Output Capacity (Watts)	1200
Output Voltage Regulation	110V +/- 10V
Output Frequency Regulation	60Hz +/- 0.5Hz
Overload Protection	Yes
Output Voltage (VDC)	5V (USB-A); 5V/9V/12V (USB-C)
BATTERY	
Expandable Battery Runtime	User-supplied battery system
DC System Voltage (VDC)	12
Battery Pack Accessory (Optional)	98-121 ; BP160
POWER	
Sine Wave	Pure Sine Wave
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	NORMAL OPERATION - GREEN, FAULT (SHORT CIRCUIT, OVER-TEMPERATURE, HIGH VOLTAGE, LOW VOLTAGE, OVERLOAD PROTECTION) - RED
Switches	ON/OFF - ROCKER SWITCH

Audible Alarm	LOW BATTERY VOLTAGE, OVER-TEMPERATURE, HIGH VOLTAGE, LOW VOLTAGE SHUTDOWN, OVERLOAD PROTECTION
CHARGING	
Number of Charging Ports	2
Charging Method	USB
Charging Port Type	(1) USB A (FEMALE); (1) USB C (FEMALE)
Charging Ports / Amps	(1) 2.1A; (1) 3A / 2A / 1.5A
PHYSICAL	
Material of Construction	Aluminium, Steel, ABS
Cooling Method	Temperature Controlled Fans
Form Factors Supported	Horizontal Floor or Wall-mount
Housing Color	Black; Blue
Receptacle Color	Black
Shipping Dimensions (hwd / in.)	4.40 x 8.40 x 12.10
Shipping Dimensions (hwd / cm)	11.18 x 21.34 x 30.73
Shipping Weight (lbs.)	5.10
Shipping Weight (kg)	2.31
Unit Dimensions (hwd / in.)	3.000 x 6.700 x 10.400
Unit Dimensions (hwd / cm)	7.39 x 17.09 x 23.59
Unit Weight (lbs.)	4.277
Unit Weight (kg)	1.94
ENVIRONMENTAL	
Operating Temperature Range	0-40°C (32°F to 104°F)
Relative Humidity	10-95% (non-condensing)
Operating Temperature	0°C to 40°C (32°F to 104°F), Ideal ambient operating temperature range -15°C to +25°C (5°F to +77°F)
FEATURES & SPECIFICATIONS	
Grounding	Ground Terminal post
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 107.1 (Canada); UL 458
Product Compliance	FCC (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

Optional Coverage	1-Year, 2-Year, 3-Year standard warranty extensions

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