

# PowerWalker Inverter 5000 PSW

Inverter / Charger System

5000VA Inverter with Pure Sine Wave

High Performance Long Backup Power Solution

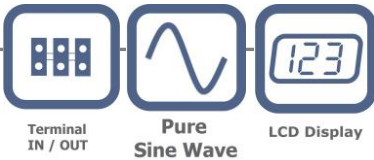
Built-in 25A super charger

LCD display for status view and Inverter settings

Isolated Input/Output design for max. safety operation



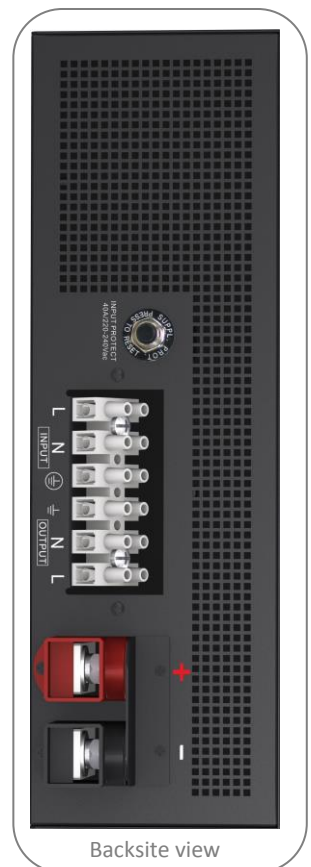
Item-No. 10120210



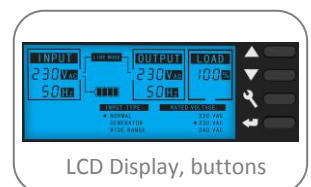
## Product Features

The 5000VA Pure Sine Wave Inverter/Charger system adopts superior features and is designed with the highest standards in the industry. The high frequency structure reduces the size and achieves the highest power density in the market. Comprehensive LCD display provides system status, and user-friendly panel eases program settings. Designed for diverse applications, this 5000VA Inverter promises to fulfil the demands from any home or SMB to heavy-duty industrial environment.

- Pure Sine Wave for wide range of applications and harsh environment
- High-frequency switching technology for compact size and light weight
- Isolated Input/Output design for the maximum operation safety
- Built-in 25A super charger
- User selectable for accepting wider input voltage range
- High efficient DC-to-AC conversion minimizing energy loss
- High Efficiency PFC charger design
- Low power "Power Saving Mode" to conserve energy for less than 10W
- LCD display for status view and Inverter settings
- Configurable: Input Type, Output voltage, Battery type, charging current
- Multiple protection: Input low voltage, Input over voltage, Overload, Low battery alarm, Short circuit, Over temperature
- Supporting Home Appliances, SMB, Office Equipments, Lightning Equipments Moto-Based Equipments (such as Fan, Air-Conditioner, Washing Machines)
- Fulfil the demands of heavy-duty industrial environment.



Backside view



LCD Display, buttons

## Technical Details

### Product Features

Capacity	5000VA / 4200W
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### Capacity

Surge Capacity	10000VA
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Motor load capacity	2.5HP
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### Input

Voltage	220/230/240VAC
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Voltage Range	170-280VAC (Narrow Range) 90-280VAC (Wide Range)
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### Output

Voltage	220/230/240VAC
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Voltage Regulation (Battery Mode)	±10 % rms
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Frequency	50 or 60Hz
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Freq. Regulation (Battery Mode)	± 0.1 Hz
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Waveform	Pure Sine Wave
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### Transfer Time

Typical	10ms
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### Efficiency

AC to AC (Bypass)	>95%
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DC to AC (Inverter)	>90%
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### Charger

Charger algorithm	Three stage profile (CC/CV/Floating) CC=Constant Current CV=Constant Voltage
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Charger current	25A @ 180~280V, 20A @ 125~180V
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DC Voltage	48V
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Overcharge Protection	60V
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Charger Power Factor	>0.95
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### Battery

Type	48V
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Charger algorithm	Three stage profile (CC/CV/Floating)
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Recharge Time	Depends on connected battery
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Optional	Inverter is supplied without battery
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### LCD Display

User Friendly LCD Display	Yes
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### Full Protection

Discharge	Yes
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Overcharge	Yes
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Overload	Yes
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Short circuit	Yes
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## Connections

Outlets	Terminal outlet
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## Product Details

Dimensions	407 x 350 x 110 mm
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Colour	Black
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Weight	9 kg
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## Fan Control

Heat Sink Temp.	60% speed @ 55°C-78°C 100% speed >78°C
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Charging Mode	60% Floating 100% CC or CV
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Load	60% @ 0-50% load 100% if ≥50% load (switch back to 60% if load ≤ 40%)
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Noise Level	< 60dB
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Model Code	Inverter 5000 PSW
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## Environment

Temperature	0°C – 45°C
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Humidity	5 – 95 % RH (non-condensing)
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## Package Content

Package Content	PowerWalker Inverter 5000 PSW, manual
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## Logistic Data

Giftbox Language	EN
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Manual Language	EN/DE/FR
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Dimension/Giftbox	582 x 471 x 247 mm
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Weight/Giftbox	11.28
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Pieces/Carton	1
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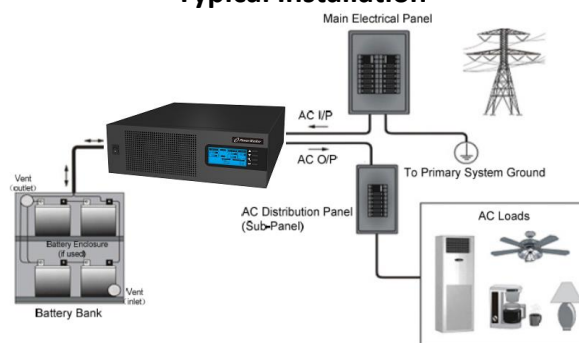
Pieces/Palette	32
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Item Number	10120210
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EAN	4260074975970
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Warranty	24 Month
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## Typical Installation



Version: EN 03/09/2013

We reserve the right for technical changes and mistakes

## Application Examples

### Office Equipments

Notebook  
 Printer  
 Fax/Copier/Printer/Scanner  
 Modem/Router  
 Etc.



### Home Entertainment

VCR  
 DVD Player  
 74cm TV  
 30" LCD screen  
 HiFi 30 Watt Speakers  
 Cassette/CD/Radio – Portable Radio  
 Portable Telephone  
 Etc.



### Home Appliances

FAN  
 Air Conditioner  
 Filter Coffee Maker  
 Fridge/Freezer  
 Microwave  
 Vacuum Cleaner  
 Washing Machine  
 Frying Pan  
 Electric Oven Grill  
 Blender  
 Gate Motor  
 Garage Motor  
 Tank Pump  
 Etc.



### Lightning

Lights – Energy Saver  
 Lights – Standard Bulbs  
 Lights – Fluorescent Tube  
 Etc.



## Optional Input Power Source can be Generator, Photovoltaic, Wind, Hydro

