

# PowerWalker Inverter 3000 PSW

Inverter / Charger System

3000VA Inverter with Pure Sine Wave

High Performance Long Backup Power Solution

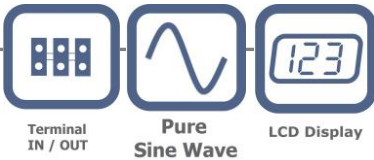
Built-in 20A super charger

LCD display for status view and Inverter settings

Isolated Input/Output design for max. safety operation



Item-No. 10120209



## Product Features

The 3000VA 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 3000VA 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 20A super charger
- High efficient (>90%) DC-to-AC conversion minimizing energy loss
- Low power "Power Saving Mode" to conserve energy for less than 10W
- High power density design (up to 385W/dm<sup>3</sup>)
- LCD display for status view and Inverter settings
- 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	3000VA / 2400W
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### Capacity

Surge Capacity	6000VA
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Motor load capacity	1.5HP
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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	230VAC
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Voltage Regulation (Battery Mode)	10 %
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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 (Input Setting NOR)
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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	20A ± 2A
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DC Voltage	24V
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Overcharge Protection	30V
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### Battery

Type	24V
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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	294 x 269 x 76 mm
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Colour	Black
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Weight	4.9 kg
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Fan Control	<b>Auto</b> <b>OFF:</b> In line mode when charger off In Inverter mode in saver mode <b>ON:</b> In line mode when charger on In Inverter mode when inverter on
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Noise Level	< 60dB
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Model Code	Inverter 3000 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 3000 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	395 x 340 x 160 mm
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Weight/Giftbox	5.88
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Pieces/Carton	1
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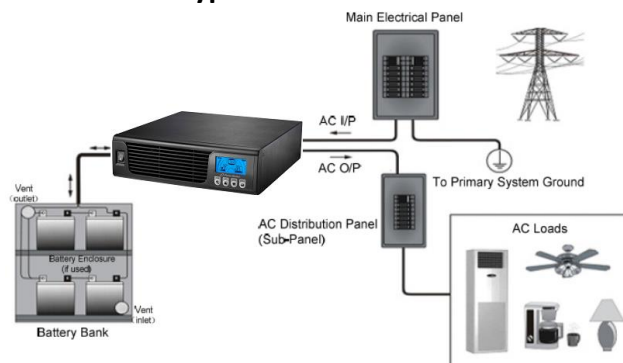
Pieces/Palette	90
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Item Number	10120209
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EAN	4260074975963
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Warranty	24 Month
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### Typical Installation



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

