

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

PSW 1000 POWER INVERTER

 ϵ

Item no. 1277820 PSW 1000-12-G Item no. 1277821 PSW 1000-12-FR Item no. 1277822 PSW 1000-12-UK Item no. 1277827 PSW 1000-24-G Item no. 1277832 PSW 1000-24-FR Item no. 1277836 PSW 1000-24-UK

A power inverter generates a modified sine wave alternating voltage (AC) from a direct voltage (DC) supply. This allows the connection of different loads to voltage sources such as, motorcars / lorries, boats, solar plants at the weekend houses or when camping. Extensive protective measures reliably protect the power inverter and the connected loads against damage or destruction.

FEATURES:

1000 W continuous power // True sine wave // Input screwtype terminal // Output 230 V/AC

EQUIPMENT:

Undervoltage alarm // Undervoltage and overvoltage shutdown // Overtemperature protected // Reverse polarity protected // Overload and short circuit protection

PACKAGE CONTENT:

Power Inverter // Connection cable // Operating instructions

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com). All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represents the technical status at the time of printing.

Copyright 2023 by Conrad Electronic SE. *1277820ff_V2_0523_02_VTP_ds



TECHNICAL DATA:

Term			
Rated input voltage 1277822 1277836 Output voltage 230 V/AC, 50 Hz Signal output form True sine wave Permanent output power 1000 W Peak output power 2000 W (short-term) Effectiveness at rated load >85% Power intake without load <1 A	Item no.	1277820	1277827
Rated input voltage Output voltage 230 V/AC, 50 Hz Signal output form Permanent output power Peak output power Effectiveness at rated load Power intake without load Cooling Installed fan Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section Undervoltage alarm 10,5 ±0,5 V/DC Undervoltage deactivation Overload protection Protection against wrong Polarity Short-circuit protection Ambience conditions 12 V/DC 24 V/DC 24 V/DC 25 V/DC 20,0 ±0,5 V/DC 27,0 ±0,5 V/DC 20,0 ±0,		1277821	1277832
Output voltage Signal output form True sine wave Permanent output power Peak output power Effectiveness at rated load Power intake without load Cooling Installed fan Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section Undervoltage alarm 10,5 ±0,5 V/DC Undervoltage deactivation Overvoltage deactivation Overload protection Protection against wrong Polarity Short-circuit protection Ambience conditions Dimensions 2000 W (short-term) 1000 W 2100 W 2100 Hand 210		1277822	1277836
Signal output form Permanent output power Peak output power Peak output power Effectiveness at rated load Power intake without load Cooling Installed fan Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section Undervoltage alarm 10,5 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC Overvoltage deactivation 15,0 ±0,5 V/DC Overload protection Protection against wrong Polarity Short-circuit protection Ambience conditions True sine wave 1000 W 1000 W 1500 W (short-term) Protective ground socket (230 V/AC, 50 Hz) 1x protective ground socket (Rated input voltage	12 V/DC	24 V/DC
Permanent output power Peak ou	Output voltage	230 V/AC, 50 Hz	
Peak output power Effectiveness at rated load Power intake without load Cooling Installed fan Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section Undervoltage alarm 10,5 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC Overvoltage deactivation 15,0 ±0,5 V/DC Overload protection Ves Overtemperature protection Protection against wrong Polarity Short-circuit protection Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Signal output form	True sine wave	
Effectiveness at rated load >85% Power intake without load <1 A Cooling Installed fan Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section 10 mm² Undervoltage alarm 10,5 ±0,5 V/DC 21,0 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC 20,0 ±0,5 V/DC Overvoltage deactivation 15,0 ±0,5 V/DC 30,0 ±0,5 V/DC Overload protection yes Overtemperature protection yes Protection against wrong Polarity yes Short-circuit protection yes Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Permanent output power	1000 W	
Power intake without load Cooling Installed fan Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section 10 mm² Undervoltage alarm 10,5 ±0,5 V/DC 21,0 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC 20,0 ±0,5 V/DC Overvoltage deactivation 15,0 ±0,5 V/DC 30,0 ±0,5 V/DC Overload protection yes Overtemperature protection Protection against wrong Polarity Short-circuit protection Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Peak output power	2000 W (short-term)	
Cooling Installed fan Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section 10 mm² Undervoltage alarm 10,5 ±0,5 V/DC 21,0 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC 20,0 ±0,5 V/DC Overvoltage deactivation 15,0 ±0,5 V/DC 30,0 ±0,5 V/DC Overload protection yes Overtemperature protection yes Protection against wrong Polarity yes Short-circuit protection yes Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Effectiveness at rated load	>85%	
Inputs Screw connectors Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section 10 mm² Undervoltage alarm 10,5 ±0,5 V/DC 21,0 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC 20,0 ±0,5 V/DC Overvoltage deactivation 15,0 ±0,5 V/DC 30,0 ±0,5 V/DC Overload protection yes Overtemperature protection Protection against wrong Polarity Short-circuit protection Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Power intake without load	<1 A	
Outputs 1x protective ground socket (230 V/AC, 50 Hz) Cable cross-section 10 mm² Undervoltage alarm 10,5 ±0,5 V/DC 21,0 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC 20,0 ±0,5 V/DC Overload protection 29s Overload protection Yes Overtemperature protection Protection against wrong Polarity Short-circuit protection Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Cooling	Installed fan	
(230 V/AC, 50 Hz) Cable cross-section 10 mm² Undervoltage alarm 10,5 ±0,5 V/DC 21,0 ±0,5 V/DC Undervoltage deactivation 10,0 ±0,5 V/DC 20,0 ±0,5 V/DC Overvoltage deactivation 15,0 ±0,5 V/DC 30,0 ±0,5 V/DC Overload protection yes Overtemperature protection yes Protection against wrong Polarity yes Short-circuit protection yes Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Inputs	Screw connectors	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Outputs		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Cable cross-section	10 mm²	
Overload protection yes Overload protection yes Overtemperature protection yes Protection against wrong Polarity yes Short-circuit protection yes Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Undervoltage alarm	10,5 ±0,5 V/DC	21,0 ±0,5 V/DC
Overload protection yes Overtemperature protection yes Protection against wrong Polarity yes Short-circuit protection yes Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Undervoltage deactivation	10,0 ±0,5 V/DC	20,0 ±0,5 V/DC
Overtemperature protection yes Protection against wrong Polarity yes Short-circuit protection yes Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Overvoltage deactivation	15,0 ±0,5 V/DC	30,0 ±0,5 V/DC
Protection against wrong Polarity Short-circuit protection Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Overload protection	yes	
Short-circuit protection yes Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Overtemperature protection	yes	
Ambience conditions Temperature: 0 °C to +60 °C, humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Protection against wrong Polarity	yes	
humidity 20% to 85% relative, non-condensing Dimensions 335 x 152 x 72 mm (L x W x H)	Short-circuit protection	yes	
non-condensingDimensions335 x 152 x 72 mm (L x W x H)	Ambience conditions	humidity 20% to 85% relative, non-condensing	
Dimensions 335 x 152 x 72 mm (L x W x H)			
Weight approx. 3100 g	Dimensions	335 x 152 x 72 mm (L x W x H)	
	Weight	approx. 3100 g	