

IVR-1200LBKS

Mecer IVR-1200LBKS 1200VA, 720W, 12V DC-AC Inverter

Product Overview

Mecer 1200VA, 720W, 12V DC-AC Inverter with LCD Display. *Cables are included to connect to the battery, 1x cable to connect to a South African 3pin wall socket is included. Requires 1x 12V deep cycle battery (not included) *Please take note of battery connection polarity, or the blade fuses will blow inside the unit (+ Red, - Black). Output: 3-pin South African sockets at back of unit (SANS 164-1). SOLAR NOT AVAILABLE. Lead-acid battery only.



Specifications

About this product

The Mecer IVR-1200LBKS is a 1200VA, 720W simulated sinewave inverter designed for 12V DC batteries, delivering stable AC output through South African 3-pin sockets. It features overload and short circuit protection, a wide input voltage range, and an LCD display for real-time monitoring of inverter status.

Overview Summary

Product:Mecer IVR-1200LBKS 1200VA/720W Inverter

The Mecer IVR-1200LBKS inverter provides reliable backup power for home and office applications, converting 12V DC battery input to stable AC output for everyday devices. Its simulated sinewave ensures compatibility with most electronics, while built-in LCD display offers clear monitoring of voltage, load, and battery status.

This inverter features automatic voltage sensing, overload and short circuit protection, and easy-to-connect battery terminals. Ideal for powering computers, lights, modems, and other sensitive devices during power outages, it ensures uninterrupted operation without the constant noise of traditional UPS systems.

Performance tier:Mid-range

Uses:Home backup power, office electronics, small appliances, emergency power supply

Description

The Mecer IVR-1200LBKS inverter is built for efficiency and reliability. It converts 12V DC battery power into 230V AC output suitable for South African appliances. The unit supports a wide voltage input range of 90-280 VAC and features a simulated sinewave output, providing stable operation for computers, lights, and other sensitive electronics. The built-in LCD display

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Product Specification Sheet

offers real-time monitoring of input voltage, battery level, and load status.

Safety is a priority with the IVR-1200LBKS, offering overload, short circuit, and reverse polarity protection. Its compact design, sturdy construction, and easy-to-connect cables make installation straightforward, ensuring peace of mind during power outages.

Features

The IVR-1200LBKS inverter combines functionality and safety in a compact design:

- Simulated sinewave output for compatibility with most devices
- Wide input voltage range: 90-280 VAC
- 12V DC input, supports deep cycle batteries
- Overload and short circuit protection
- Reverse polarity protection to prevent damage from incorrect battery connection
- LCD display for monitoring voltage, load, and battery status
- Compact and lightweight for easy installation and transport
- Automatic operation with fast transfer time of 20 ms

FAQ

Does this inverter function like a UPS?

Yes, the IVR-1200LBKS operates similarly to a UPS, providing continuous power to connected devices during outages without constant beeping.

Can I connect all my devices and have them automatically powered during a blackout?

Yes, the inverter provides 220V AC output through South African sockets. Devices can remain plugged in, and the inverter will switch to battery power seamlessly when mains power fails, then recharge automatically when power resumes.

What type of battery is required?

This inverter requires a single 12V deep cycle **lead-acid** battery (not included). Ensure correct polarity when connecting: Red to positive (+) and Black to negative (-) terminals. This inverter is not compatible with Lithium batteries.

Is the inverter safe to use with sensitive electronics?

Yes, the simulated sinewave output, voltage regulation, and built-in protections make it suitable for computers, lights, modems, and other sensitive devices.

What's in the Box

- 1 x Mecer IVR-1200LBKS Inverter
- 2 x Battery connection cables (Red and Black)
- 1 x 3-pin South African AC wall socket cable
- User manual with installation instructions

Specifications:

MODEL	IVR-1200LBKS
CAPACITY	1200VA/ 720W
INPUT	
Voltage	230 VAC

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Product Specification Sheet

Acceptable Voltage Range	90-280 VAC
Frequency	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	+/- 10%
Efficiency (Peak)	82%
Transfer Time	20 ms typical
Waveform (Batt. Mode)	Simulated sine wave
BATTERY & AC CHARGER	
Battery Voltage	12 VDC
Floating Charge Voltage	13.7 VDC +/-2%
Low Battery Alarm Voltage	10.2Vdc +/-2%
Shutdown Voltage	9.9Vdc +/-2%
Overcharge Protection	15.0Vdc +/-2%
Maximum Charge Current	10 A or 20 A (Selectable)
SOLAR CHARGER	
None	Solar charge controller is not available on this model
PROTECTION	
Full Protection	Overload, short circuit and polarity reserve protection
PHYSICAL	
Dimension, D X W X H (mm)	300 x 360 x 88
Net Weight (kgs)	4.6
OPERATING ENVIRONMENT	
Humidity	0 to 90% Relative Humidity(Non-condensing)
Operating Temperature	0 to 40
Storage Temperature	-15 to 50

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/IVR-1200LBKS-Mecer-IVR-1200LBKS-1200VA-720W-12V-DC-AC-Inverter-p-126908.php>

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