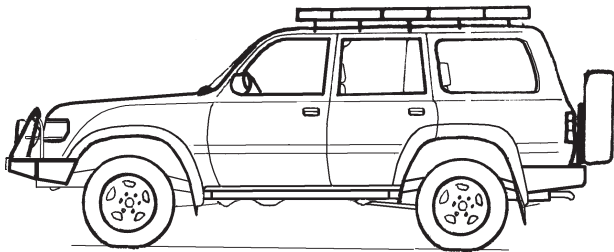


Mini Ultra Sine Inverter



Installation



US15/12V
US15/24V

First steps

Make sure the inverter main switch is in off position

- Verify if inverter voltage is matching battery voltage
- Connect the Inverter cable plug into lighter connector
- Wire the appliance coupler to your installation (L= Phase, N= Neutral)
- Connect the appliance coupler to the AC outlet of the inverter (230 VAC)
- Switch the inverter main switch to on position. The green LED is lightening and the inverter is ready to work.
- As soon as load is present the inverter switches on automatically
- If a big load is connected to the inverter, a security switch off will be produced to protect the inverter

Make sure the inverter output is never connected to mains power. This will destroy the inverter immediately!

Users Manual

Thank you for choosing our **Ultra Sine Inverters**.

1. On/off main switch

- Off position: The Inverter is switched off
- On position: The function of the Inverter is dependent of the status LED (red/green)

2. Status-LED (red/green)

- green: Inverter is in normal working state
- red blinking: Battery voltage is low, upon the load to the inverter output, inverter will switch off
- red lightning: Battery voltage is too low
- red lightning: Inverter is overloaded
- red lightning: Short Circuit on the output or user has a too high starting current

3. AC Outlet(230/240VAC)

Use supplied Adapter Plug for further wiring. Follow the same safety rules as for 230/240V power outlets at home.

4. Low battery disconnection

If the unit detects over a longer period of time a low battery situation the inverter switches off until battery Voltage 10.5V is reached. High short time peak load does not trigger the low battery disconnection.

Installation Instructions

In mobile applications as campers or yachting with a possible connection to the supply of the main network 230VAC we recommend 2 separate systems. The cabling must make sure the 230 VAC output of the inverter is never connected to the mains 230 VAC. The same precaution must be taken to the use of an emergency generator!

Inverter mounting:

- Desktop with rubber feet mounted
- Wall mounted with slide in hole on the bottom of the Inverter (recommended for best performance for US15)

Make sure the Inverter gets enough cool air for best performance. Do not cover the inverter by any devices!

Connecting the Inverter with wrong polarity will blow the Hi-Amp fuse 20A



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MADE IN SWITZERLAND

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usmini_e_7 / 1.9.18

Applications

General Functions

The new IBS Ultra Sine Inverter for single use in mobiles or stationnery applications convert 12V and 24VDC battery energy into pure sine mains power 230VAC/50Hz. Newest Technology offers very small and light products with outstanding performance. Hi-frequency Hi-Tech transformers with a powerful software controlled FET Bridge offer a new bench mark.

Applications:

- Motorhomes, Campers
- 4WDs / Expedition vehicles
- Yachting
- Solar (remote stations)
- Commercial and Industrial
- Energy back-up for computers, communication, navigation and medical equipment
- mobile energy for hand tools

Warranty: 1 year

This warranty shall not apply to any product which has been subject to any misuse, negligence, accident or has been used for any other purpose than was designed. Under rough environmental conditions, the Inverter has to be installed in a well protected place. Any warranty will be refused with strongly contaminated units.

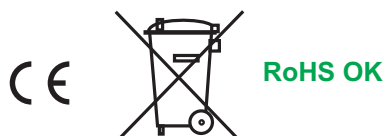
Power Range:

The inverters US15/12V and 24V are very powerful devices as long as the battery is able to produce the necessary energy. The use of powerfull batteries well charged is recommended.

Security:

Follow the same safety standards as in the use of the network 230 VAC. In vehicle installations we recommend to protect the inverter feeding lines additionally with a fuse or circuit breaker.

Standards:



Specifications

	US15/24V	US15/12V	
Order-Nr.			
Nominal output	150W (TA 20C)	150W (TA 20C)	
Temp. Range	0..+40 Grad C	0..+40 Grad C	
Overload (7sec)	250W	250W	
Stand-by consumption	<2,5W	<2,5W	
Stand-by load sensing	-	-	
Efficiency	86%	85%	
Signal at any load	100% Sinus	100% Sinus	
Output Voltage	225VAC/50Hz	225VAC/50Hz	
Input Voltage	22..30VDC	11..15VDC	
Intelligent low batt. disconnect.	Yes	Yes	
Sealing	IP 23	IP 23	
Remote Panel	No	no	
Dimensions	120x245x70mm	120x245x70mm	
Weight	1.3kg	1.3kg	