

TECHNICAL SPECIFICATIONS

Specification	12V-230V	
Continuous power	500W	
Peak power	1000W	
Input voltage	12V	
Output voltage	AC 230V±10%	
Output frequency	50±1Hz	
Output waveform	pure sine wave	
Average efficiency	≥90%	
Working temperature	-25℃-50℃	
Storage temperature	-20℃-85℃	
Buzzer Alarm		
Low-voltage protection	9.5V	4 Beeps- 5 seconds apart- 4 beeps again
Over-voltage protection	15V	3 Beeps- 5 seconds apart- 3 Beeps again
Over-temperature protection	75±5℃	2 beeps- 5 seconds apart- 2 beeps again
Overload protection	110%~115%	Interval time for 1 second with continous beep
Short-circuit protection	Yes	
Make sure you connect the correct cable with the battery, do not reverse! Red cable connect the POSITIVE(+) , Black cable Connect the Negative(-)		



0-087-60 - Battery Box with PSW Inverter

Durite's 12VDC Battery Box 500W Pure Sine Wave Inverter Charger

Key Features

- High Current Terminal +
- Power Socket *2
- Digital Voltmeter
- Dual USB Socket (5V/2.1A, 5V/1A)
- Switch with 10A Circuit Breaker to Protect the socket
- Voltmeter SOCKET: 5V -15V
- Anderson Connector *2 with 30A Fuse
- 500W inverter: Input DC 10.2 13.8V (Low Voltage protect)
- Output: 220V +/- 10%
- Output Wave: Pure Sine Wave
- Over current protection, short circuit protection, fan cooling, temperature protection
- Max - Usable size: 330L*190W*230H



Warnings

Read all instructions before attempting to use the battery box inverter.

High voltage, 230 volts AC, is generated by this unit.

Do not use with wet hands or near water.

This unit is only suitable for 12 volt electrical systems with negative earth. To supply 230 volt 50

Hz loads of <500 watts.

Do not connect to any other AC power source.

Keep well ventilated.

Do not expose to direct sunlight or heat source.

Keep away from water or moisture.

Keep out of reach of children.

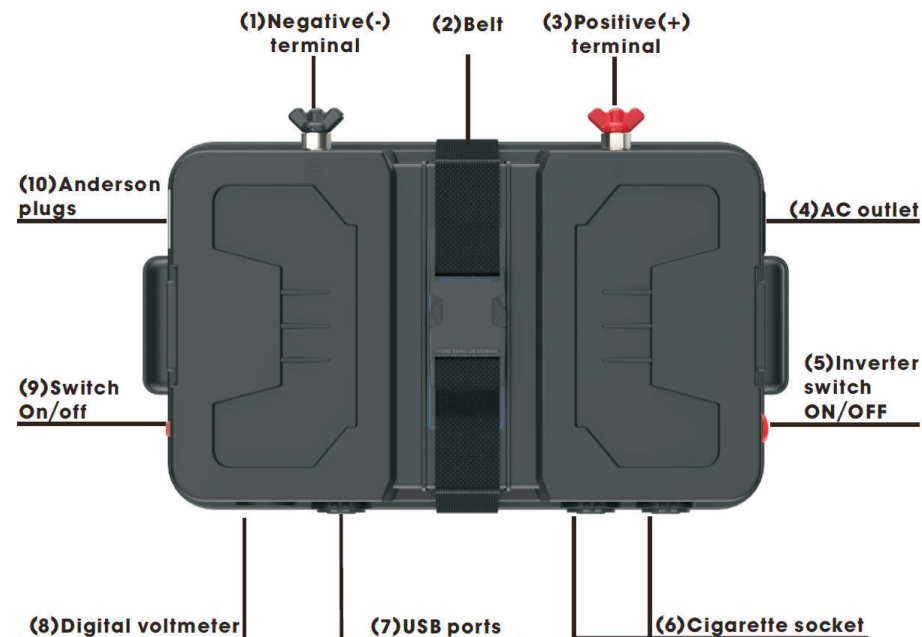
Keep away from any flammable or heat sensitive substance.

Do not try to dissemble.

Make sure that you attach the correct wires to the appropriate terminals of your battery;
incorrect installation could result in damage to the unit or voiding of the warranty.

Do not use the battery box to charge medical devices.

Always use safe lifting techniques when lifting and installing the battery box.



(1)Negative(-) terminal

(2)Belt

(3)Positive(+) terminal

(4)AC outlet (220V 50HZ, Rated power 500W)

(5)Inverter switch ON/OFF

(6)Cigarette socket x 2(12-24V)

(7)USB ports (5V/2.1A 5V/1A)

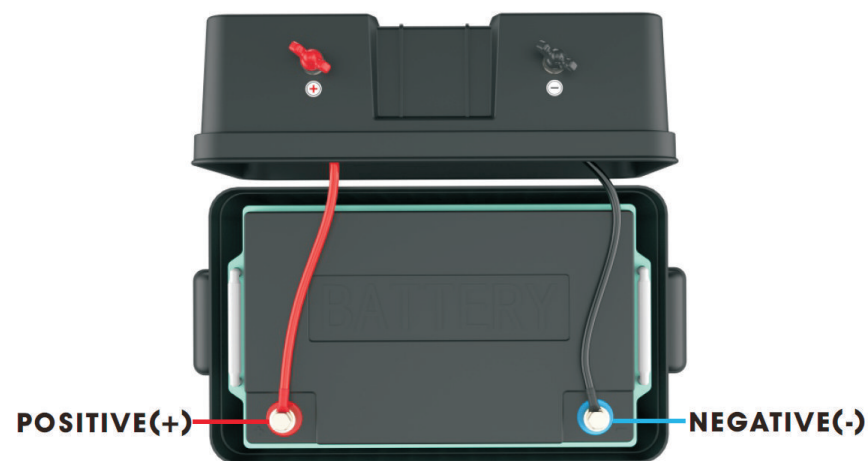
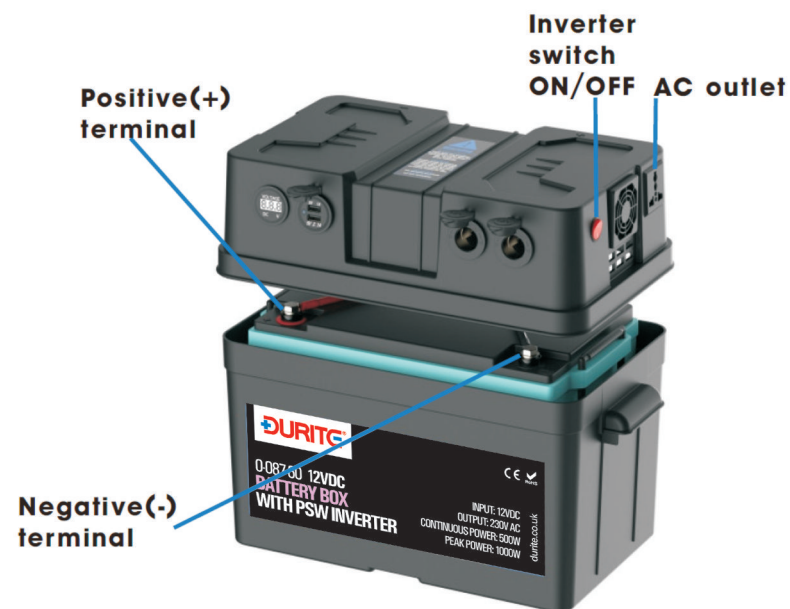
(8)Digital voltmeter

**(9)Reset Switch ON/OFF with 16A overload protection
for USB and Cigarette socket**

(10)50A Andetson plugs x 2 with 30A fuse

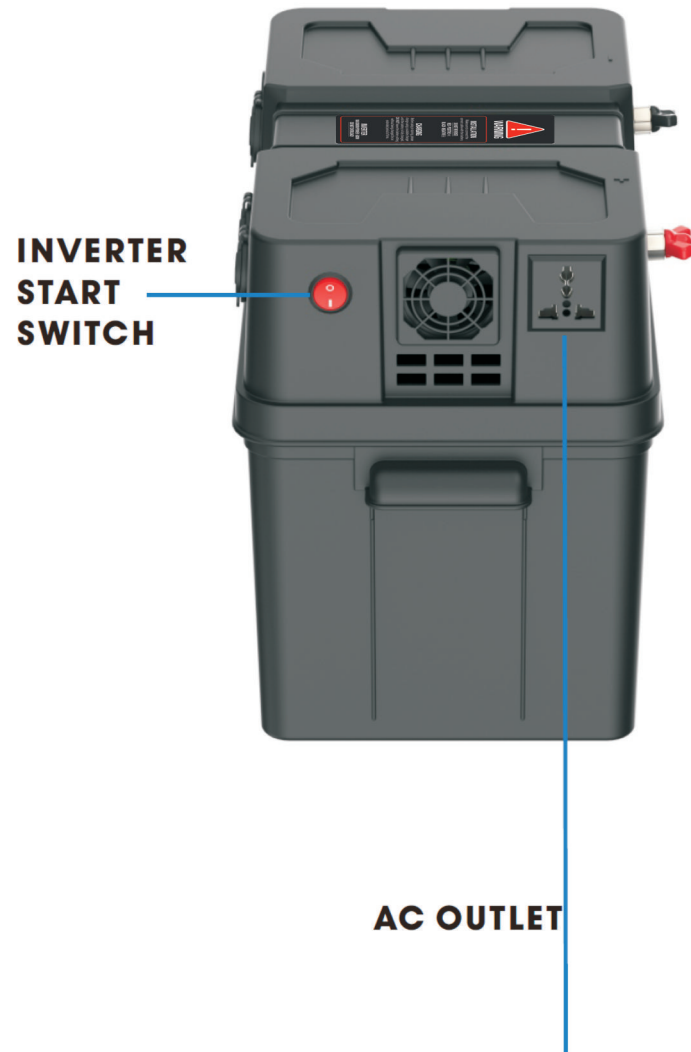
WARNING: The positive and negative terminals on the exterior of the battery box are not fused. Ensure that you install fuses or circuit breakers where necessary.

Installing a Battery



1. Remove the lid of the battery box.
2. Place the battery in the battery box.
3. **Attach the terminal from the battery box lid to the corresponding positive and negative terminals on the battery. Fasten the bolts firmly, ensuring they will not come loose. Make sure you connect the correct cable with the battery, do not connect in reverse! Red cable connect the Battery POSITIVE(+) post, Black cable Connect the battery Negative(-) post.**
4. Place lid onto the battery box, making sure that it is evenly and completely shut.
5. With the lid on and the terminals connected, switch the battery to on using the on/off switch and test the voltage with the voltmeter.
6. If the voltmeter lights up and displays the battery's voltage, you can now secure the lid.
7. Press the inverter start switch to turn it on and check the light is on or not. Fans will work at the same time. The AC outlet will now operate.
8. To secure the lid, thread the strap around the box and through the two plastic buckles. Fasten and secure on top of the unit.
9. You are now free to plug in your devices to power them with your battery.

AC OUTLET USE



DIMENSIONAL DRAWING

