

DC-AC MOBILE POWER INVERTER

Introduction & Features



Specifications:

Model #	KV-150	KV-300	KV-500	KV-1000	KV-1800
Voltage in (DC)	12Vdc (std.)				
Voltage out (AC)	115Vac (std.)				
Continuous power (watts)	150W	300W	500W	1000W	1800W
Peak power (watts)	300W	600W	1200W	2000W	3500W
Output frequency	60Hz (std.)				
Output waveform	Modified Sine Wave				
No load current draw	0.1A	0.4A	0.6A	0.8A	2.0A
Efficiency	90%				
Fuse	20A	30A	30A x 2	30A x 3	30A x 6
Weight (lbs)	1.06	1.76	2.42	4.29	9.24
Dimensions (L" x W" x H")	6.2 x 3.0 x 1.6	6.2 x 4.2 x 1.8	7.9 x 5.2 x 2.4	10.5 x 6.0 x 2.4	13.4 x 7.5 x 3.0

Features:

- Low battery alarm and auto shutdown
- Overload and short circuit protection
- Input polarity reverse protection by fuse
- Compact size, light weight and high efficiency
- High surge current capability
- Operates most AC powered electronic equipment

Instructions:

1. Connect directly to DC source (12volt battery). Make sure the positive (+ or red) wire goes to the positive battery terminal.
2. Turn on power switch on the unit, wait until the neon indicator lamp lights up. (This unit has built-in self detect circuit, neon lamp indicates the unit is working properly.)
3. Plug equipment into the AC receptacle of this unit.
4. Turn equipment on.

Caution: Do not open the unit. Serious shock hazard! There are no user serviceable parts inside the unit. Refer all servicing to Storage Battery Systems.

Special Notes:

1. Equipment Load

Do not connect any equipment drawing more than 150W(KV-150), 300W(KV-300), 500W(KV-500), 1000W(KV-1000), 1800W(KV-1800) continuously to the unit. The unit has a built-in protect circuit. It will automatically shut down if it is overloaded, and will restart once the overload is removed. This unit under 500W willnot operate most power tools, and appliances which produce heat, such as hair dryers, microwave ovens and toasters.

2. Low Voltage Condition

When input voltage decreases to 10.5 volts the unit will alarm with audible sound, it indicates that the battery is weak and should be recharged. If the unit continues to be used and the voltage drops to 10 volts the output will cut off preventing the battery from discharging too deep.

3. Battery Polarity

When using a 12 volt battery the polarity should never be reversed, or the fuse will blow.

4. Extension Cords

The use of extension cords from the AC outlet will not significantly decrease the power supplied by the unit. However, for the best operating results, an extension cord of less than 60 feet is recommended.

Contact SBS with further questions.



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