



SEMCO

DSP BASED SINE WAVE HOME UPS



INTRODUCTION

The **SEMCO** HOME UPS protects your equipments against power problems, such as Power Failure, Hi & Lo Voltage, Surge, spikes. The system take power from Battery in case of power failure and recharge battery when power restored. The sine wave output of your inverter is suitable for your motors, Ac's, music systems sophisticated equipments.

SALIENT FEATURES

- 🍏 Wide Input Window.
- 🍏 Pure Sine Wave Output.
- 🍏 Advance Battery Management.
- 🍏 User Friendly Operation with 16 Characters x2 line LCD or LED display.
- 🍏 Generator Compatible.
- 🍏 Computer Compatible Models.
- 🍏 DSP Based Design.
- 🍏 SMPS Power Factor Corrected Charger.
- 🍏 MOSFET / IGBT Based Hi-Frequency PWM Inverter.
- 🍏 Soft Start and Cold Start Facility.
- 🍏 Inverter Efficiency >92%.
- 🍏 Distortion Less Than 3%.
- 🍏 Low Noise <40 db up to 15 KVA.
- 🍏 Compact, Sleek Design.
- 🍏 Several Hours Backup Time (depend on batteries) .
- 🍏 Eco-friendly.
- 🍏 Static Changeover (above 2.5 KVA) no relay no fault.
- 🍏 Run your Motors and Ac's with critical equipment.



The SEMCO Advantage

- 🍏 Complete Product Range
- 🍏 Latest Technology
- 🍏 Proven Reliability
- 🍏 Competitive Pricing
- 🍏 Excellent After Sales Service

ELECTRICAL SPECIFICATIONS

CAPACITY:-600VA, 800VA, 1000VA, 1400VA, 2KVA,2.5KVA, 3KVA,5KVA, 7.5KVA,10KVA,15KVA.

SURGE RATING:-300% OF RATED CAPACITY.

OUTPUT FREQUENCY:-50Hz +/- 0.5%.

OUTPUT WAVE FORM:-PURE SINE WAVE.

EFFICIENCY:- >92%.

OUTPUT VOLTAGE:-230V +/- 7V.

BATTERY VOLTAGE:-12 V(600 & 800VA), 24 V(1000 & 1400VA), 48 V(2KVA, 2.5KVA & 3KVA) 96V(5KVA),192V(7.5 to 15KVA).

CHARGING RATE:-10AMP +/- 10% (NC mode) and 15AMP +/- (HC mode)

CHARGING CONTROL:-FUZZY LOGIC and ABM+

CHANG OVER TIME:-15ms (INVERTER mode) and 6ms (HOME UPS mode)

HYBRID SYSTEM (SOLAR & AC)