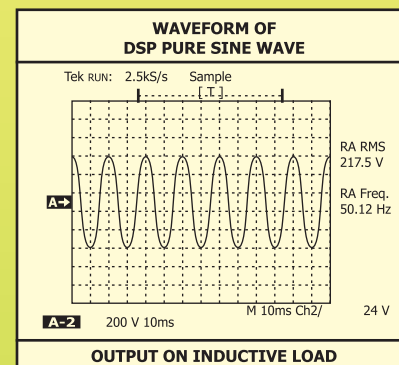


# DSP Sine Wave Technology



### SALIENT FEATURES

- \* Pure Sine Wave Output With Constant Voltage & Frequency
- \* Runs Heavy Duty Appliances / Equipments
- \* Built- In Galvanic Isolation Transformer
- \* Auto-self Test On Lcd Panel
- \* Scalable Runtime
- \* Cold Start
- \* Fuzzy Logic Control Battery Charging

### APPLICATIONS

- \* Lights & Fans
- \* Air Conditioners
- \* Washing Machines
- \* Projection & Plasma TVs
- \* DVD/VCD/VCR
- \* Hair Dryers
- \* Microwave Oven/OTG
- \* Refrigerators
- \* Vacuum cleaners
- \* Electric chimney
- \* Food Processor



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## TECHNICAL SPECIFICATIONS

MODEL	HU850SW	HU1000SW	HU1550SW	HU2000SW	HU3000SW
CAPACITY	850VA/12V	1000VA/24V	1550VA/24V	2000VA/36V	3000VA/48V

### TECHNOLOGY

Micro controller based state-of-the-art technology using MOSFETs

SMPS based charger

### ENVIRONMENT

Storage Temp.	0-50° C
Operating Temp.	0-40° C
Humidity	0 - 90% Non Condensing

### INPUT VOLTAGE WINDOW

Mains A.C. Low Cut	105±5V
Mains A.C. Low Cut Recovery	120±5V
Mains A.C. High Cut	285±5V
Mains A.C High Cut Recovery	275±5V

### OUTPUT PARAMETERS

Mains Output Frequency	Same as input (45Hz-55Hz)
Output Frequency on Inverter	50.0Hz.±0.1Hz
Output Voltage with Full Load	220V/200V ± 10V
Waveform	Sine Wave
Overload	Above 110%
Short Circuit Protection	>250% Load (Few msec)

### BATTERY CHARGING

SMPS based charger with automatic Power Factor Correction					
Maximum Charging Current Limit	9.0±1.0 Amp				
Charging Boost Voltage	13.9V ± 0.2V per battery				
Charging Float Voltage	13.6V ± 0.2V per battery				
Battery Lower Voltage Limit	10.0V ± 0.2V per battery				
Recommended Battery Capacity	120AH-180AH				
Number of Batteries	1	2	2	3	4

Note : Specifications subject to change without prior notice