

## Sine Wave Home UPS SHINY SERIES



**SHINY SERIES - 650VA/12V, 850VA/12V**



### Smart Graphics Alerts



Shiny Sine-Wave HUPS is based on a revolutionary new technology that will make you expect more from your power back up system. It not only offers non-stop protection for all your valuable appliances, it does it so silently, that you'll forget you have a HUPS.

Being a Sine Wave UPS, It offers non-stop protection for your appliances and more efficiency enabling reduced power consumption. And there's more. It is a silent HUPS with an automatic overload sensor and fuzzy logic that is designed to put your comfort first. The modern looks of course, is a bonus. All this and more. Just to ensure that you live life without a pause.

**Principle :** Su-Kam HUPS are highly innovative two in one products which eliminate the need to have separate power backup systems for home equipment & computers.

#### Product features

- ▶ Pure Sine Wave output- runs all your appliances efficiently and noiselessly.
- ▶ Smart SMPS based fast battery charger to save 40% electricity bills from that incurred by a normal HUPS.
- ▶ Intelligent thermal management system.
- ▶ Solar Compatibility.
- ▶ Manual static by-pass switch.

#### Electronic Protection updates

- ▶ Battery reversal pole protection.
- ▶ Battery deep discharge & overcharge protection.
- ▶ High surge load handling capability.
- ▶ Inbuilt wrong wire connection protection.
- ▶ Smart overload and short circuit protection with 8 times auto retry.
- ▶ Reverse current flow protection.

#### Displays

- ▶ Multifunction Graphical LED display.
- ▶ Power Switch active indication.
- ▶ 5 LEDs display following states - operation mode, state of charge, fault message.

#### Operation

- ▶ Single operation master switch.
- ▶ Automatic cooling fan operation.
- ▶ Automatic circuit breaker recovery.

#### Approvals & Certifications

- ▶ Certified by ETDC & CE
- ▶ Technology & Design Patent.
- ▶ Copyrights & Trademark.
- ▶ Manufactured according to ISO 9001 and ISO 14001.
- ▶ R&D Approved by Govt. of Science & Technology.

### LOAD CHART, APPLICATIONS & BACK-UP TIME

Load Options	SHINY 650VA/12V				SHINY 850VA/12V			
	A	B	C	D	A	B	C	D
Computer 150W	1	-	-	-	1	-	-	-
TV 19-21"	-	-	1	-	-	1	-	-
Room Cooler	-	-	-	1	-	-	-	1
Tube Light 40W	2	4	2	1	3	3	4	1
Fan 48 MM	2	3	3	-	3	3	4	1
CFL 11W	2	2	2	2	2	4	-	2
Back-Up Time In Hrs. (below back-up time is calculated on above load options A, B, C, D)								
135 AH	1.4	1.24	1.2	2.3	1.1	1.1	1.15	2.0
150 AH	2.0	1.42	1.4	3.01	1.2	1.18	1.24	2.12
200 AH	2.54	2.3	2.2	4.0	2.0	2.05	2.12	3.1

\* Recommended battery 100AH-200AH

## Sine Wave Home UPS SHINY SERIES

### Technical Specifications

Model	SHINY SERIES		
Capacity	650VA/12V		850/12V
<b>VOLTAGE RANGE NW-UPS MODE</b>			
Mains A.C. Low cut	185 ± 10V		
Mains A.C. Low cut Recovery	190 ± 10V		
Mains A.C. High cut	265 ± 10V		
Mains A.C. High cut Recovery	260 ± 10V		
<b>VOLTAGE RANGE WW-UPS MODE</b>			
Mains A.C. Low cut	105 ± 10V		
Mains A.C. Low cut Recovery	120 ± 10V		
Mains A.C. High cut	285 ± 10V		
Mains A.C. High cut Recovery	275 ± 10V		
<b>OUTPUT PARAMETER</b>			
Mains Output Frequency	Same as Input (45 Hz-55Hz)		
Output Frequency	50.0 Hz. ± 0.1 Hz		
Output Voltage with Full Load	180V-245V		
Overload	Above 100%		
Short Circuit protection	>300% Load (Few msec)		
<b>BATTERY CHARGING</b>			
FLC based SMPS charger with Automatic Power Factor Correction			
	<b>SMF</b>	<b>TUBULAR</b>	<b>LEAD ACID</b>
Charging Current	13 ± 2.0 Amp	13 ± 2.0 Amp	10 ± 2.0 Amp
Charging Boost Voltage each Battery	14.4V + 0.2 V		13.9 V + 0.2 V
Charging Float Voltage each Battery	13.7V + 0.2 V		
Battery Lower Volt. Cut each Battery	10.5 V ± 0.2 V (Depending on Load)		
Recommended Battery Capacity	100AH-200AH		
Dimension (W XDX H) in mm	280x 276 x 124		
Weight(Kg)	9.25		9.75

Note: Specifications are subject to change without any prior Notice

### POWER ACCESSORIES



Panel Range : 650VA-850VA HUPS up to 240Wp.

#### Solar Conversion Kit

Solarcon hybrid solar charge controller solution overcomes the challenges in the existing system. It can be connected with any existing HUPS/inverter and convert it into a solar powered system. It controls the mains supply to the inverter so that when the battery is fully charged and solar power is still available to charge the battery, it automatically disconnects the mains from the Inverter so that the Inverter starts working in backup mode now since the power is supplied from battery and solar. This helps in optimum utilization of generated solar power.

When the battery is discharged below the pre-defined user settable limit and mains is present, it is connected to the inverter so that the load is bypassed to mains and the battery charging can take place.

#### Water Topping Kit

- ▶ Single Point multi cell water topping.
- ▶ Safely fill batteries without removing vent covers.
- ▶ Extends battery life & increases performance.
- ▶ No chance of acid spillage on floor.
- ▶ Saves battery from under topping and over topping



#### Matching Trolley

- ▶ **X-tra durable:** Made from tough, long lasting PPCP compound material which does not get destroyed ever if there is leakage / spillage from batteries.
- ▶ **X-tra convenient:** In built ribs for smooth in and out movement of battery without getting stuck.
- ▶ **X-tra ease of movement:** Sturdy yet smooth wheels enabling extra ease of movement while carrying the bulky battery.
- ▶ **X-tra space saving:** Stacks up with Inverter / UPS neatly in a corner, thus taking less space. Aesthetically designed to match
- ▶ **X-tra safe:** Provides good ventilation for battery.