

C L E A N T E C H <sup>EPP</sup>

India's first wall mountable smart  
power backup system with 91% efficiency

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5 years warranty | Zero maintenance | No floor space required



# CLEANTECH



EPP Cleantech Technologies is an innovative brand with a wide range of products in the power energy that covers, Uninterruptible Power Supply (UPS), Electric Vehicles Batteries and Energy Storage Solutions (ESS). Our motto has always been Customer Satisfaction with the focus on Quality & Team-work. At Touch Energy, we're dedicated to make reliable and more efficient, safety and sustainability products.

EPP Cleantech Technologies introducing "Cleantech", India's first wall mountable smart power backup system. Cleantech uses Lithium ion battery technology which is safe for environment. Cleantech is designed in a modern look with an expected lifespan of up to 5 years.



Safety



Convenience



Durable



Smart



Long



Affordable

## Join the Energy Revolution

### Safety

1. Complete isolation between AC and DC
2. Shock-proof enclosures
3. No battery wiring
4. Built-in surge protection

### Convenience

1. Wall mountable
2. Zero maintenance
3. Self installation
4. No floor space required
5. Compatible with genset

### Smart

1. Auto-charging
2. Solar priority charging
3. Battery & load indicator
4. Remote data monitoring

### Affordable

1. 30% Extra backup
2. 20-25% energy saving
3. Built in solar charger
4. 2 years warranty

## Applications



Computers



Home appliances



Office



Lighting

# Sophisticated Design

Cleantech is most sophisticated and smartest power backup system. It uses Lithium ion batteries that have a lifecycle of upto 5 years.



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### Features



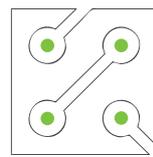
child safe



safe for appliances



safe for environment



Surge protection



UPS Mode

# Technical Data

## TECHNICAL SPECIFICATION OF SOLAR HYBRID OFF- GRID INVERTER

MODEL	GREENY SHI850	GREENY SHI1500	GREENY SHI3000
<b>INVERTER OUTPUT</b>			
RATED POWER	850VA	1500VA	3000VA
SURGE CAPACITY	200%		
POWER FACTOR	0.8		
OUTPUT VOLTAGE(NO LOAD)	230V AC $\pm 5\%$ (50Hz $\pm 1\%$ )		
OUTPUT WAVEFORM	PURE SINE WAVE,THD< 2% (with linear load)		
INV PEAK EFFICIENCY	UPTO 90%	UPTO 91%	UPTO 93%
<b>BATTERY</b>			
BATTERY NOMINAL VOLTAGE	12VDC	24VDC	48VDC
NO LOAD CURRENT(WITH CHARGED BATTERY)	1.1Amps	0.6 Amps	0.3Amps
LOW BATTERY ALARM	10.75V DC $\pm 0.2\%$	21.50V DC $\pm 0.2\%$	43.00V DC $\pm 0.2\%$
LOW BATTERY TRIP	21.00V DC $\pm 0.2\%$	21.50V DC $\pm 0.2\%$	42.00V DC $\pm 0.2\%$
<b>SOLAR</b>			
MAXIMUM PV CAPACITY	500W	1000W	2000W
PV OPEN VOLTAGE	25-50V DC	45-100V DC	60-150V DC
CHARGING TYPE	MPPT		
CHARGER EFFICIENCY	UPTO 98%		
PRIORITY CONTROL OPTION	HYBRID / DOMESTIC(selectable switch)		
<b>GRID</b>			
MAXIMUM CHARGING CURRENT	15Amps		
CHARGING CUT-OFF(DOMESTIC MODE)	14.4V DC $\pm 0.2\%$	29V DC $\pm 0.2\%$	57.6V DC $\pm 0.2\%$
CHARGER TYPE	CURRENT & VOLTAGE CONTROLLED (WITH 3 STEPS)		
INPUT VOLTAGE RANGE	180 -265V AC $\pm 5\%$ (FOR PC'S) & 120-285V AC $\pm 5\%$ (for home appliances)-(selectable switch)		
MAXIMUM CHANGEOVER TIME	<20ms(For PC's)&<30ms(For Home Appliances)-(selectable switch)		
<b>ENVIRONMENTAL PARAMETER</b>			
OPERATING TEMPERATURE RANGE	0-55°C		
RELATIVE HUMIDITY	0-95%		
<b>GENERAL</b>			
DIMENSIONS (L*W*S)	255X250X100mm	385X110X315mm	500X110X400mm
WEIGHT	17.5Kg	-	-
DISPLAY PARAMETERS	LED: BYPASS MODE,GRID BATTERY CHARGING,BACKUP MODE,LOW BATTERY,OVERLOAD LCD: PV VOLTAGE, PV POWER,BATTERY VOLTAGE,BATTERY STATUS,PV CHARGER STATUS & ALL FAULTS		

