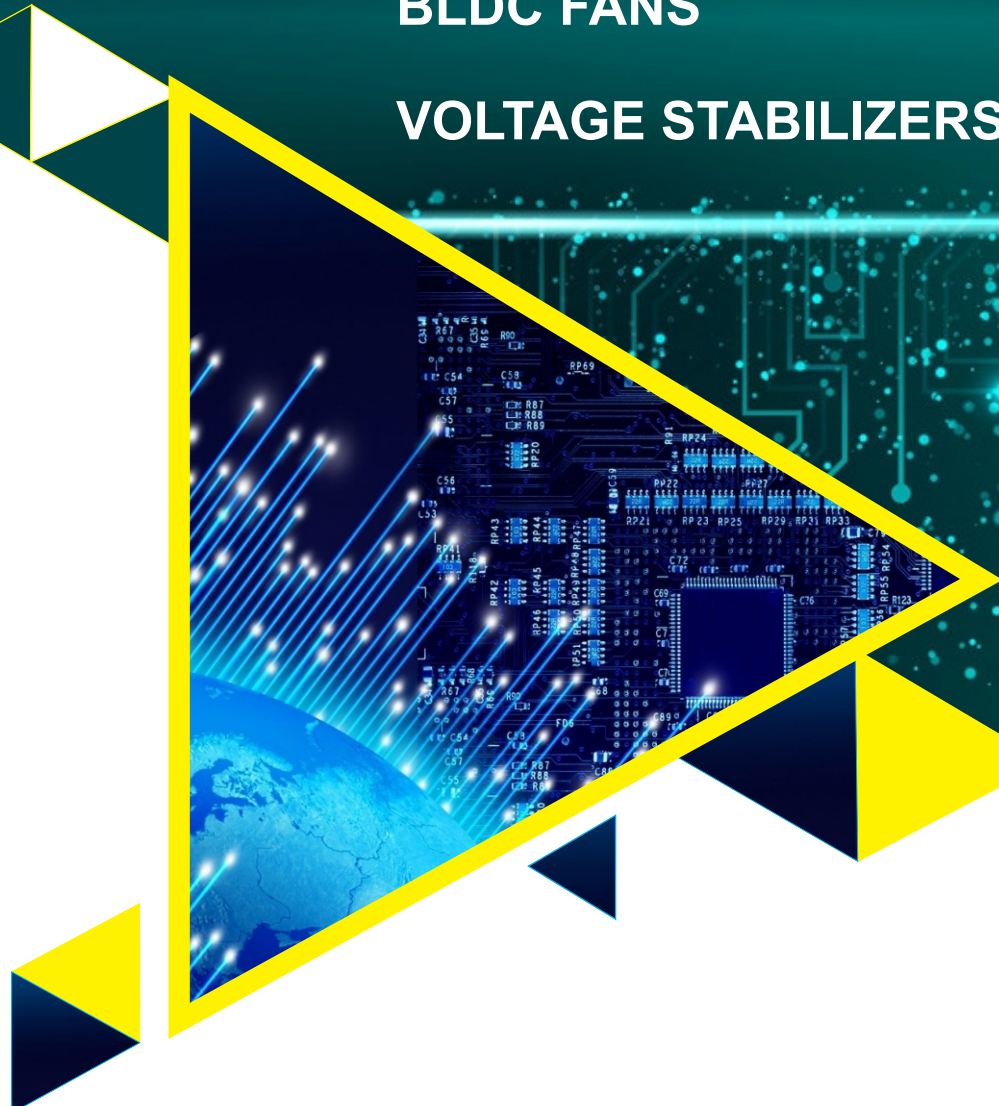


**YOUR VOLTAGE ENGINEER**

**SMART LIHTIUM BATTERY PACK**


**BLDC FANS**

**VOLTAGE STABILIZERS**



POWERED BY  **EXALT**  
YOUR VOLTAGE ENGINEER

 **YEPSO**  
YOUR VOLTAGE ENGINEER



## Our Journey

### ABOUT EXALT

The Company has started its journey in 2015, with the vision of making smart energy saving products. With that aspect R&D facility was established in the year 2015.

In its endeavour to reach every corner of the country Exalt is equipped with the vast network of Distributors, Direct Dealers and Retailers. Now, Exalt has established as a strong Brand in the Indian electrical and electronic goods market.

After a long research company has developed Lithium Ion Battery Pack, Smart BLDC fans and Smart Hybrid Voltage Stabilizers. We have number of models for Schools, Hospitals, Petrol Pumps and Offices.



## COMPANY VISION

Our priority is customer satisfaction by providing wide range of Household & Commercial products.

We justify our slogan  
**YOUR VOLTAGE ENGINEER**  
by creating smarter products  
at affordable price

## WHY CHOOSE YEPSO?



We provide 24/7 on site service support through our customer service no 18003134818.  
Our Moto is to provide prompt service within 24-48 HRS.



Our product development team work on every minute aspect of product so that we can provide stylish and premium quality products to our valuable customers

# ABOUT LITHIUM

The Major distinction that lithium iron phosphate batteries have from other Li-ion batteries is that LFP is capable of delivering a **constant voltage** and also has a comparatively higher charge cycle, in the range of **2000-3000**.

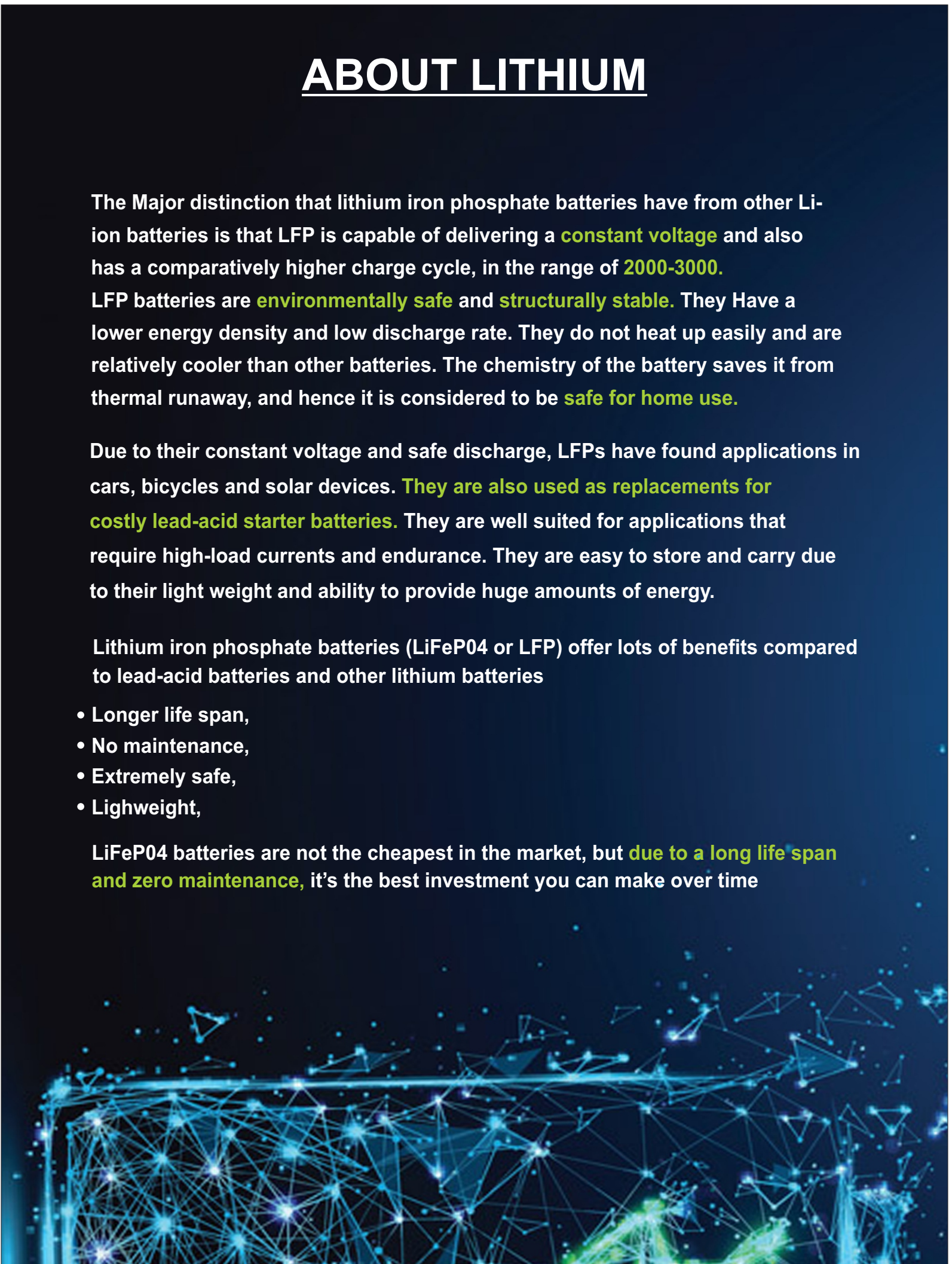
LFP batteries are **environmentally safe** and **structurally stable**. They Have a lower energy density and low discharge rate. They do not heat up easily and are relatively cooler than other batteries. The chemistry of the battery saves it from thermal runaway, and hence it is considered to be **safe for home use**.

Due to their constant voltage and safe discharge, LFPs have found applications in cars, bicycles and solar devices. **They are also used as replacements for costly lead-acid starter batteries**. They are well suited for applications that require high-load currents and endurance. They are easy to store and carry due to their light weight and ability to provide huge amounts of energy.

Lithium iron phosphate batteries (LiFeP04 or LFP) offer lots of benefits compared to lead-acid batteries and other lithium batteries

- Longer life span,
- No maintenance,
- Extremely safe,
- Lightweight,

LiFeP04 batteries are not the cheapest in the market, but **due to a long life span and zero maintenance**, it's the best investment you can make over time



**NXT GEN**  
SMARTER



**It's not just a battery  
It's a complete home solution**



**YEPSO**  
PURE VOLTAGE ENGINEER

# PRODUCT ANALOGY

## YEPSO LITHIUM ION BATTERY PACK

## NORMAL LEAD ACID BATTERY



**7** YEARS\*  
WARRANTY

# NXT GEN SMARTER



**PURE SINE WAVE**



**NO WATER MAINTENANCE**



**WALL MOUNT DESIGN**



**FAST CHARGING**

## GRID SERIES

MODELS	AIO4X	AIO7X	AIO10X	AIO12X
<b>Technical Specification</b>				
Watt	400 Watt	700 Watt	1000 Watt	1200 Watt
<b>Inverter</b>				
VA	600 VA	900 VA	1000 VA	1150 VA
Switching Element	MOSFET	MOSFET	MOSFET	MOSFET
Output Voltage	220V+/-2%	220V+/-2%	220V+/-2%	220V+/-2%
Phase	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E
Output Waveform	Digitally Filtered Pure Sine Wave			
Frequency	50Hz	50Hz	50Hz	50Hz
Changeover(Mains to Inverter)	<10ms	<10ms	<10ms	<10ms
Output Power Factor	0.8	0.8	0.8	0.8
Protection	Overload, Short Circuit, Over Voltage, Under Voltage, Reverse Polarity of Battery			
Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling
Operating Temp.	(0-50)C	(0-50)C	(0-50)C	(0-50)C
<b>Battery</b>				
Low Cut Off Voltage	10.5/Batt +/-2%	10.5/Batt +/-2%	10.5/Batt +/-2%	10.5/Batt +/-2%
High Cut Off Voltage	14.2/Batt +/-2%	14.2/Batt +/-2%	14.2/Batt +/-2%	14.2/Batt +/-2%
Charging Current By Grid	10A +/-2%(Low Charging) 15A +/-2%(High Charging)	10A +/-2%(Low Charging) 15A +/-2%(High Charging)	10A +/-2%(Low Charging) 15A +/-2%(High Charging)	10A +/-2%(Low Charging) 15A +/-2%(High Charging)
<b>Grid</b>				
No. of Phase	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E
Input Voltage Range	(100-280) V+/-2%	(100-280) V+/-2%	(100-280) V+/-2%	(100-280) V+/-2%
<b>Backup</b>				
2 Fan & 2 LED Bulb	~4Hrs	~6Hrs	~9Hrs	~12Hrs



**7** YEARS\*  
WARRANTY

**NXT GEN**  
SMARTER 



PURE SINE WAVE



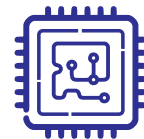
TRUE MPPT



WALL MOUNT DESIGN



FAST CHARGING



ADVANCED  
DSP TECHNOLOGY

## SOLAR SERIES

MODELS	ASOL4X	ASOL7X	ASOL10X	ASOL12X
<b>Technical Specification</b>				
Operating DC Voltage	12V	12V	12V	12V
<b>MPPT Based Charge Controller</b>				
Switching Element	MOSFET	MOSFET	MOSFET	MOSFET
Controller	DSP	DSP	DSP	DSP
Type of Charger	MPPT	MPPT	MPPT	MPPT
MPPT Battery Current Limiting	25A	25A	25A	25A
Efficiency	> 95%	> 95%	> 95%	> 95%
<b>SPV Parameters</b>				
Spv Open Circuit Voltage Range(min-max)	60-30	60-30	60-30	60-30
Maximum SPV Power	650w	800w	1200w	1200w
Maximum Battery Current	50Amp	50Amp	50Amp	50Amp
Recommended Panel Sell	36	36	36	36
<b>Inverter</b>				
VA	600 VA	900 VA	1000 VA	1150 VA
Swithcing Element	MOSFET	MOSFET	MOSFET	MOSFET
Output Voltage	220V+/-2%	220V+/-2%	220V+/-2%	220V+/-2%
Phase	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E
Output Waveform	Digitally Filtered Pure Sine Wave			
Frequency	50Hz	50Hz	50Hz	50Hz
Changeover(Mains to Inverter)	<10ms	<10ms	<10ms	<10ms
Output Power Factor	0.8	0.8	0.8	0.8
Protection	Overload, Short Circuit, Over Voltage, Under Voltage, Reverse Polarity of Battery			
Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling
Operating Temp.	(0-50)C	(0-50)C	(0-50)C	(0-50)C
<b>Battery</b>				
Low Cut Off Voltage	10.5/Batt +/-2%	10.5/Batt +/-2%	10.5/Batt +/-2%	10.5/Batt +/-2%
High Cut Off Voltage	14.2/Batt +/-2%	14.2/Batt +/-2%	14.2/Batt +/-2%	14.2/Batt +/-2%
Charging Current By Grid	10A +/-2%	10A +/-2%	10A +/-2%	10A +/-2%
<b>Grid</b>				
No. of Phase	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E	1Phase-3Wire P,N,E
Input Voltage Range	(100-280) V+/-2%	(100-280) V+/-2%	(100-280) V+/-2%	(100-280) V+/-2%
<b>Backup</b>				
2 Fan & 2 LED Bulb	~4Hrs	~6Hrs	~9Hrs	~12Hrs

# HYBRID VOLTAGE STABILIZER



**1800-313-4818**



**www.exaltenergys.in**



**4 YEARS<sup>\*</sup>  
WARRANTY**

## **PRODUCT FEATURES**

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**TDS (Intelligent time delay system)**

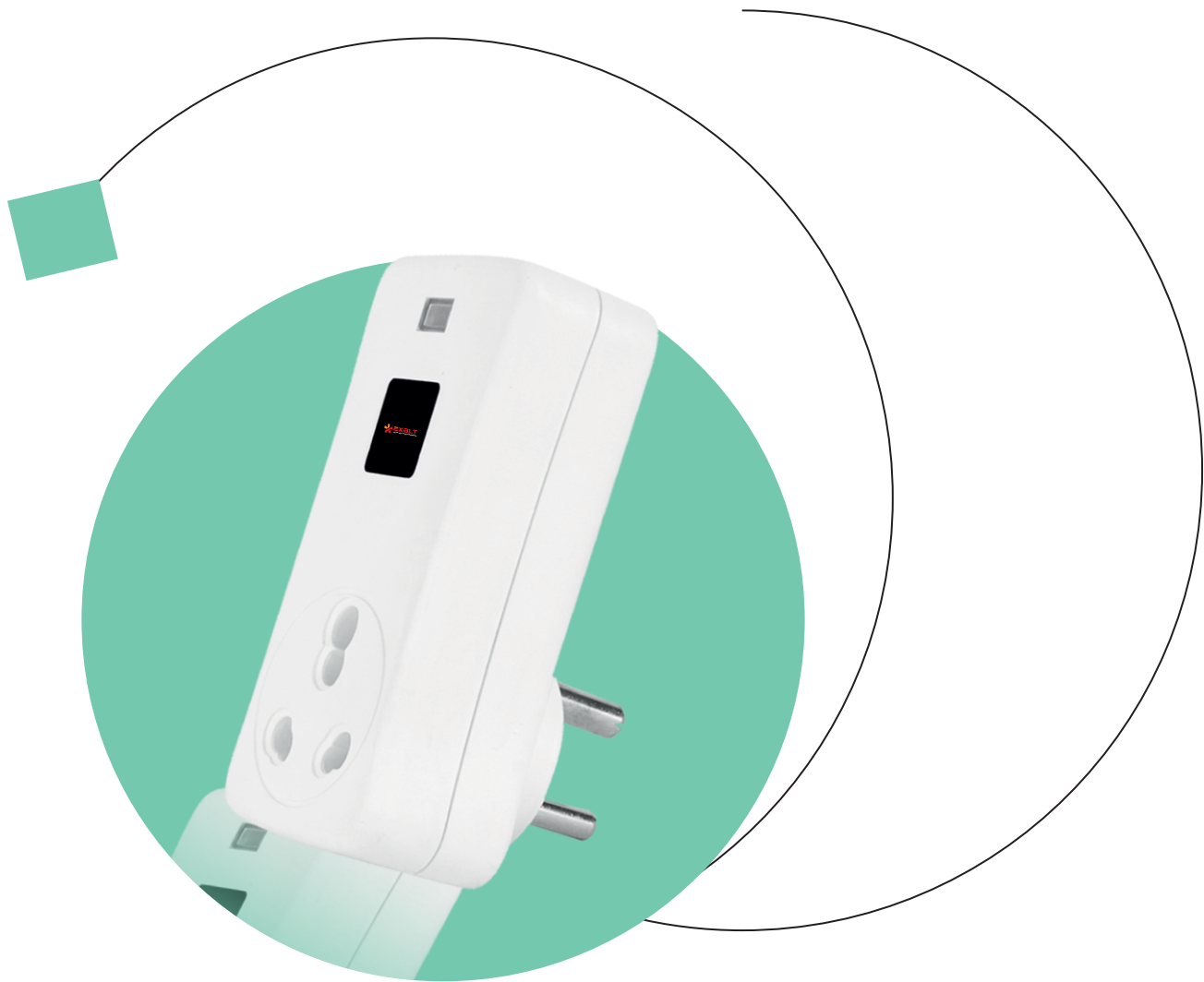
**Smart Output Voltage Correction**

**Microcontrolled operation**

**Elegantly Designed Cabinet**

**Digital Display System**

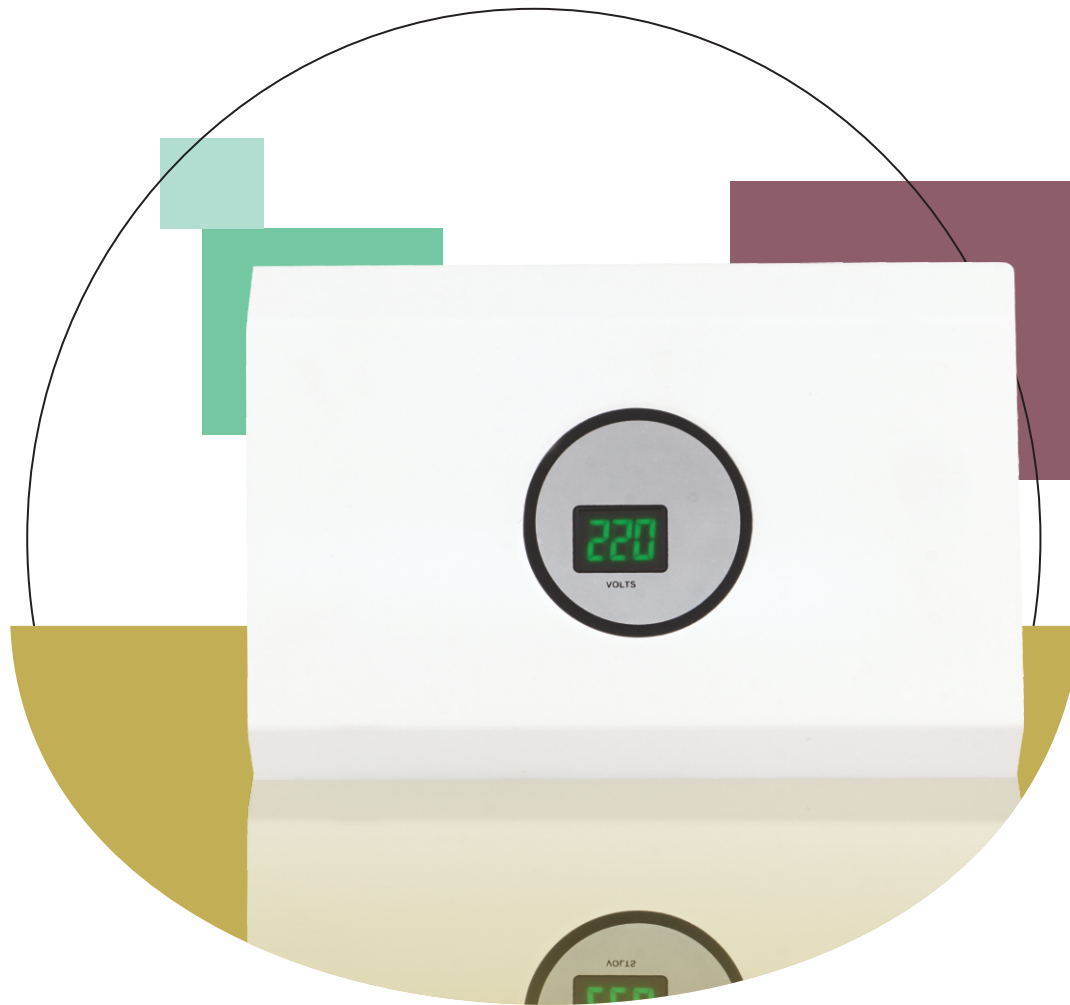
# Smart Stabilizer



Model	Capacity	Working Range	Application	KVA	Time Delay
ICB 200	15Amp.	170V-290V	All Appliances	5kva	5sec

# AC Stabilizer

**HYBRID**



Model	Capacity	Working Range	Application	KVA	Time Delay
ICB150	15Amp.	145V-290V	AC (upto to 2.0 Ton)	5kva	10sec
ICB170	15Amp.	170V-290V	AC (upto to 2.0 Ton)	5kva	10sec

# AC Stabilizer

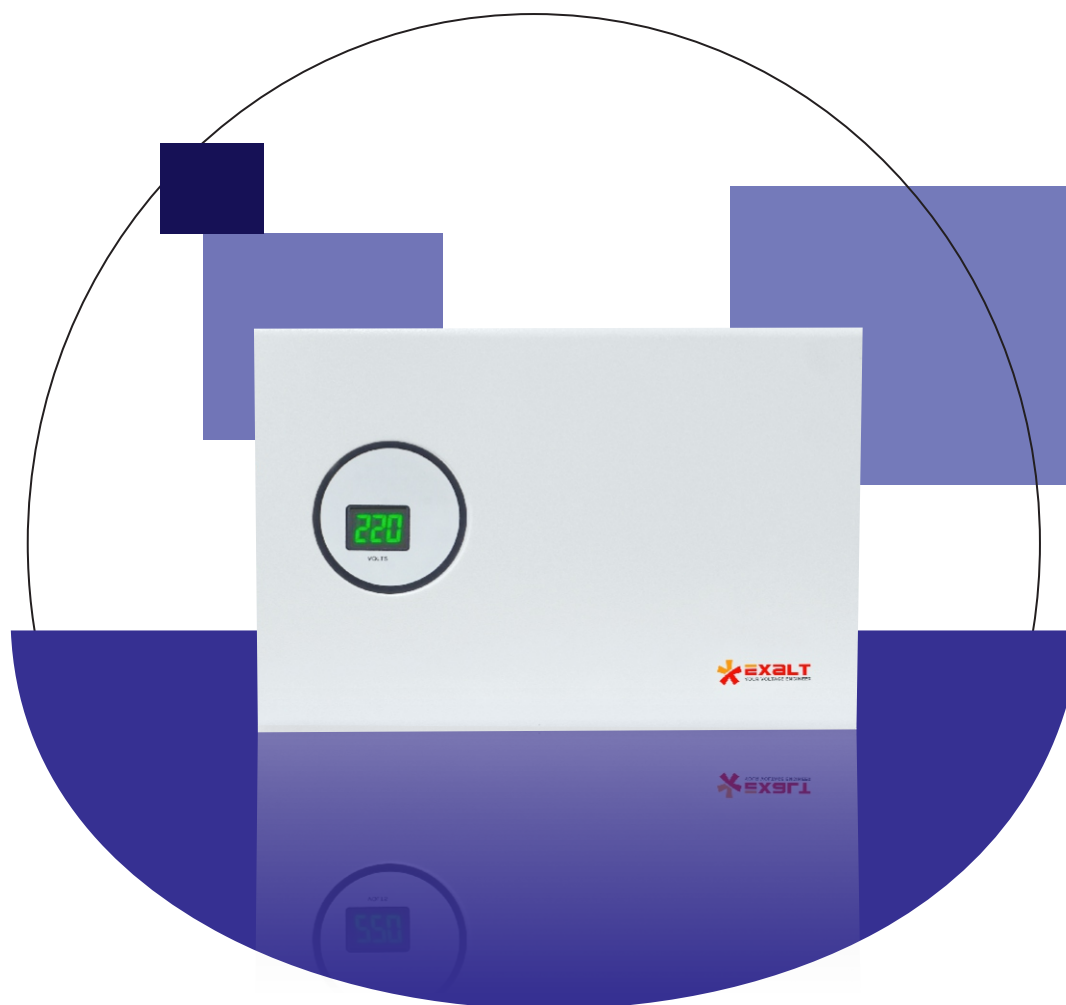
**HYBRID**



Model	Capacity	Working Range	Application	KVA	Time Delay
ICB130	15Amp.	125V-290V	AC (upto to 2.0 Ton)	5kva	10sec

# AC Stabilizer

**HYBRID**



Model	Capacity	Working Range	Application	KVA	Time Delay
ICB100	15Amp.	85V-290V	AC (upto to 2.0 Ton)	5kva	10sec



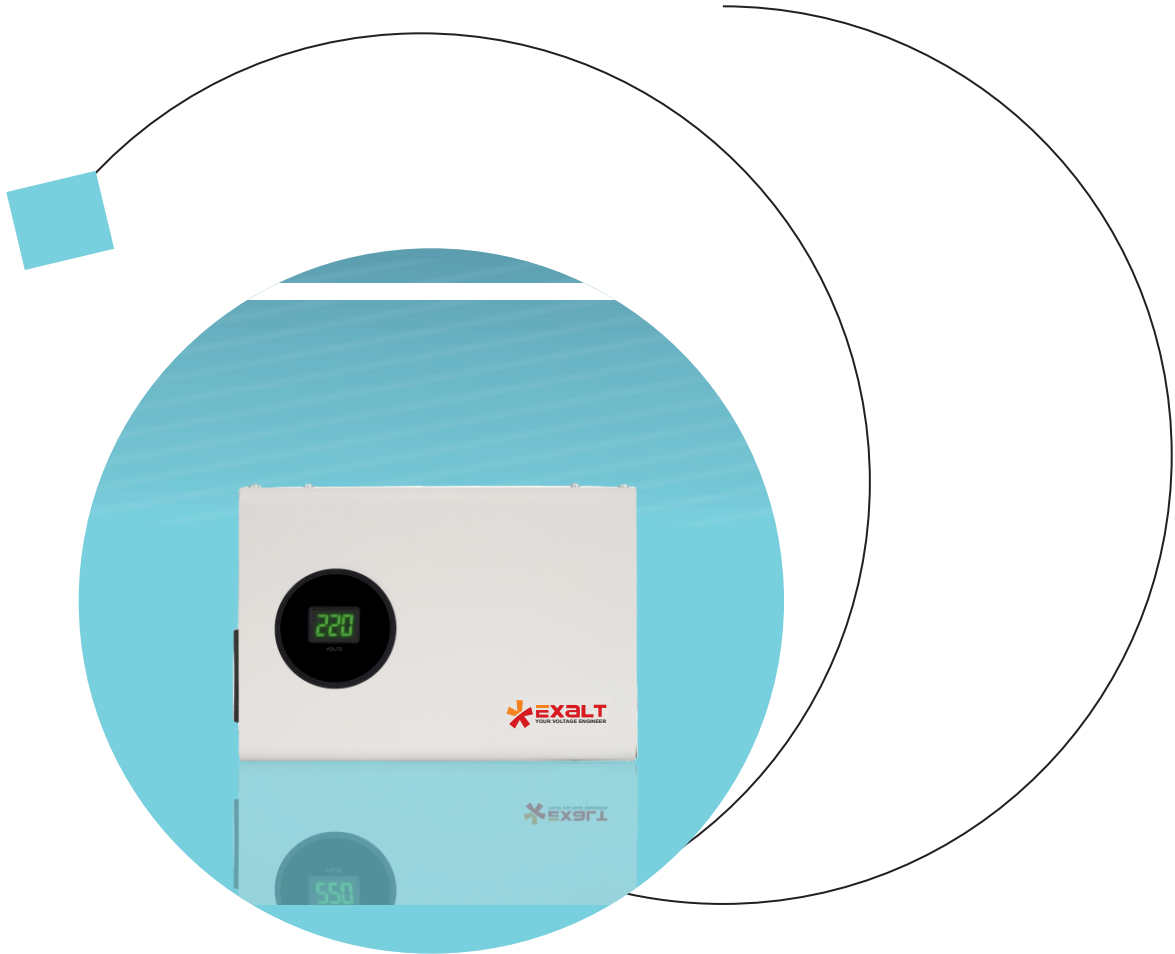
# Mainline Stabilizer

**HYBRID**



Model	Capacity	Working Range	Application	KVA	Time Delay
ELM90	18Amp.	85V-290V	Main Line	5kva	10sec
ELM60	18Amp.	60V-290V	Main Line	5kva	10sec

# Fridge/ Deep Freezer/ Invertor Stabilizer



Model	Working Range	Application	KVA	Time Delay
YEPR90	85V-290V	Refrigerator	0.5kva	10sec
YEPD90	85V-290V	Deep Freezer/Inverter	1kva	10sec

# ABOUT BLDC FANS

## How BLDC Fans work? Why they are different from ordinary ones?

A few years ago, there was a phenomenal transition of LED bulbs from incandescent bulbs due to their features of less power consumption. It was more a revolution than just another technological advancement because, in less power consumption, the same number of lumens to be achieved. Ceiling fans are also heading for such a transition. BLDC Fan is one of the new revolutionaries in the industry. A couple of years later, all old and inefficient induction motor fans will be put back by intelligent and efficient BLDC fans.

## What are BLDC Fans?

BLDC fans are those in which BLDC motors are utilized in replacement of standard induction motors. BLDC motors can reduce power consumption by up to 65% as compared to ordinary induction motors.

A BLDC fan's lifespan is also more than an ordinary ceiling fan as there is no heat generated in the BLDC motor; hence, it increases ceiling fan bearings lifespan. Additionally, there are very few chances for winding failure due to the high thickness of the copper wire used in the winding.

## COMPARISON CHART

### BLDC Fans



Energy Saving



Remote Control



High Air Delivery



Warranty



Wattage

### Conventional Fan vs BLDC Fan



Power Consumption

75W

25W



Hours of Usage per day

16 HRS

16 HRS



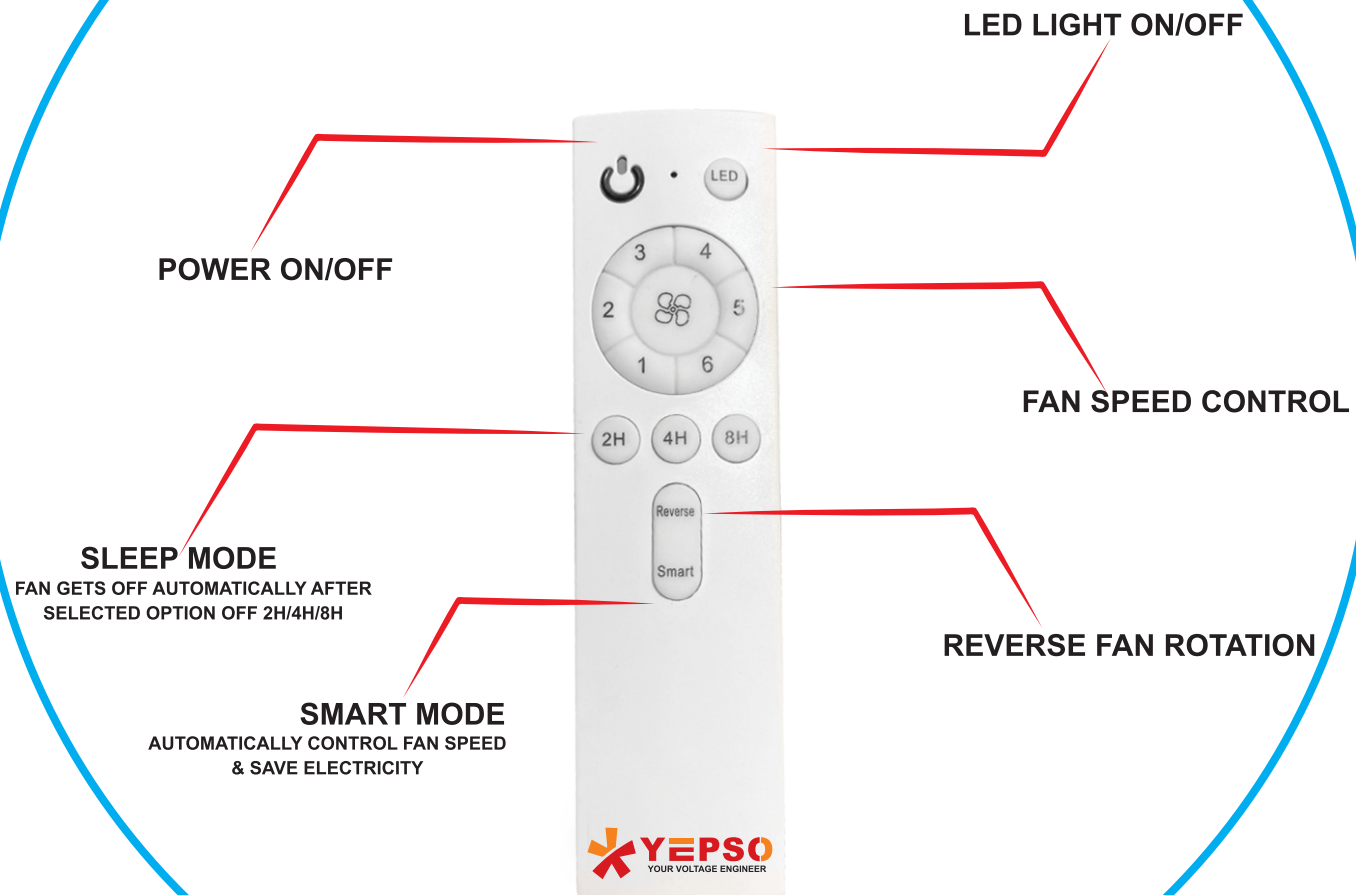
Electricity bill per annum  
@ ₹6.5/ unit

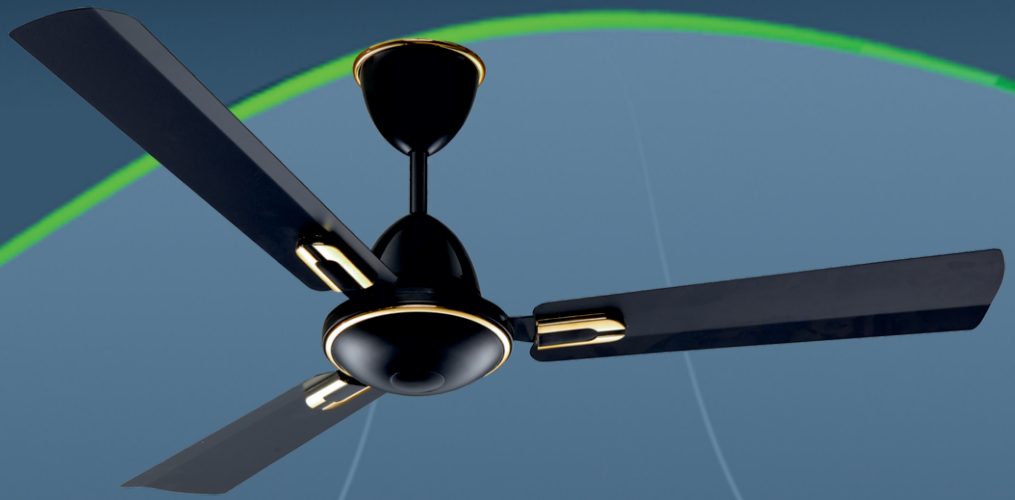
₹ 2808

₹ 936

**Annual Savings for 1 Fan: Rs.1872**

# SMART REMOTE CONTROL





 **25**  
WATTS



**BLDC**  
Fans




 **28**  
WATTS

**BLDC**  
**Fans**

**MADE  
IN INDIA**



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 [www.exaltenergys.in](http://www.exaltenergys.in)