ELITES
Power Solutions Pvt. Ltd.

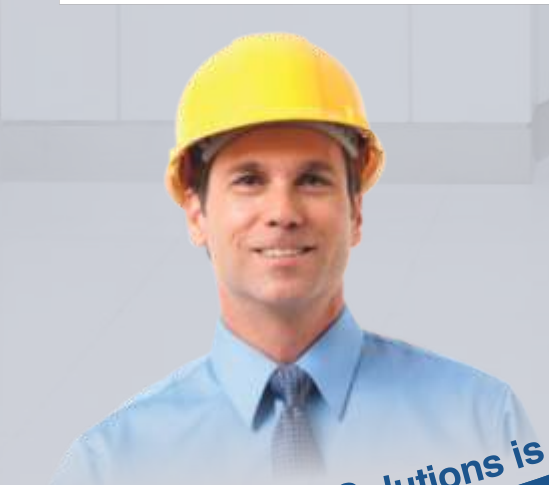
Thinking ahead to meet your tomorrow's Clean Power needs

- ★ LIFT BACKUP UPS
- ★ ONLINE & OFF-LINE UPS
- ★ SOLAR POWER SYSTEM
- ★ BATTERIES
- ★ INVERTERS
- ★ STABILIZERS

www.elitespower.com

DIFFERENCE BETWEEN GENERATORS AND UPS

Evaluation Parameter	DG Set	UPS
Capital Cost	**High Capital Cost** ★ DG Equipment Cost ★ Auto Start Panel / AMF (Auto Main Failure) Control Panel ★ Sound proof canopy ★ Exhaust smoke piping till the roof top. ★ Foundation. ★ Battery and Battery charging ★ Liaisoning cost for EB and Pollution control board. ★ Statutory approvals. ★ Fuel storage license.	**Low capital cost** ★ UPS system ★ Batteries.
Space	★ Needs larger space for installation and maintenance (Equivalent to a minimum of One Car park space)	★ Less Space – Can be fitted under unused Staircase landing / Lift Machine Room / other areas.
Running Cost	★ Diesel Consumption even under minimum load as per DG Capacity (Consumption under No load is @ 50%) ★ Manpower cost for managing day to day activities like diesel consumption records, DG operation, battery charging, and periodic maintenance. ★ Cost of idle running to upkeep the ignition system. ★ High maintenance cost ('A' check, 'B' check, Oil change and spares). ★ Fuel cost escalations.	★ Battery replacement cost after 3 years much lower than the fuel and maintenance cost for same period. ★ Battery energy is consumed according to load thus enhancing the life of batteries. ★ No load consumption is negligible. ★ Low maintenance cost. ★ Running cost is restricted to replacement of batteries once in 3 - 4 years.
Output Power Quality	★ Quality of power, output efficiency, fuel consumption, noise level and emissions will deteriorate under wear and tear. ★ Inefficiencies of overload, short circuit and such similar issues may arise over the usage period.	★ High & consistent quality power output throughout the life. ★ Emergency landing facility. ★ Backup history record for easy diagnostics & solutions
Life	★ Average life: 10 - 12 years ★ Effective life span depends on quality of upkeep and periodic maintenance and timely replacement of spares.	★ Average Life: 10 - 12 years. ★ No moving parts – No wear and tear.
Pollution	★ Emits smoke. ★ Operational noise. ★ Elaborate checks and efforts needed to keep the emissions under check.	★ Absence of fuel usage makes it free from smoke. ★ No noise. ★ Environment friendly.



Elites Power Solutions is Committed to Provide Unparalled Quality Service.

Dealer:

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ABOUT US

Elites Power Solutions Pvt. Ltd. is a team of young and self motivated professionals with vast expertise in Clean Power Management Solutions. The company is committed to provide complete, comprehensive and competitive power solutions including Renewable Energy, spanning basic home applications of power back up to mission critical requirements in Hospitals, Data Centre's, Banking & Financial Institutes and Emergency Service Centre's.

With its unparalleled commitment to customer service and quality, Elites Power has progressed quickly as preferred partner for key customers across the industry verticals. With its State of Art Technology Products, Elites assists customers to achieve highest efficiency in their operations.

Products

ELITES True Online UPS

Range - 1 KVA - 10 KVA (1ph - 1ph)
7.5 KVA - 30 KVA (3ph - 1ph)
7.5 KVA - 500 KVA (3ph - 3ph)

Features :

- Wide Range of input supply voltage to suit Indian conditions.
- True Online design.
- High efficiency with power factor near to unity.
- Excellent voltage regulation and transient response.
- User friendly LCD display for ease of operation.
- Compatible with wide range of Battery systems.
- Extended Run time facility.
- DG compatible.
- Intelligent Computer interface.
- Auto Bypass system.
- Customized solutions.
- Compact design for space efficiency.

ELITES Off-Line UPS

Range - 250 VA - 150 KVA (1ph & 3ph)

Features :

- Fully Automatic and efficient design.
- Multiple elevators supported from single unit.
- Compatible with wide range of elevators.
- User friendly LCD display for ease of operation.
- Extended battery backup.
- Remote display and voice message assistance for enhanced monitoring.
- Compact design for space efficiency.

ELITES Sine Wave Solar Inverter / UPS

Range - 400 VA Onwards

Features :

- True sine wave output with High Frequency digital
- PWM (Pulse Width Modulation) controller design.
- Output short circuit protection.
- Inbuilt Manual Bypass switch.
- Battery Reverse protection.
- Extended Battery backup.
- Compact design for space efficiency.

Key Applications

- ★ ***Residential and Commercial Establishments.***
- ★ ***Individual / Group Homes.***
- ★ ***Data Centre's.***
- ★ ***IT / ITES / Offices.***
- ★ ***Hospitals.***
- ★ ***Banks and Financial institutes.***
- ★ ***Educational Institutions.***
- ★ ***Lab & Research Centre's.***
- ★ ***Manufacturing Plants.***
- ★ ***Solar and Wind Power Generating Plants.***

Key Features of Elites Products:

- Built in EARD (Emergency Auto Rescue Devise) to avoid risk of trapped users inside the Lift.
- IGBT Technology to reduce breakdown to ensure over 99% uptime.
- 3 Phase charger for greater efficiency during heavy charging load to ensure uniform distribution on all 3 phases ensuring avoidance of single phase loading.
- High power factor for energy efficiency.
- Auto phase Reverse Correction.
- Higher safety in operation by avoiding possible shocks at battery terminal.
- Easy to read graphical display for Lift UPS.

PRODUCT SPECIFICATIONS

Model – True Online UPS & Off-Line UPS

Capacity / Standard Rating		1 KVA to 10 KVA (1ph in - 1ph out)	7.5 KVA to 30 KVA (3ph in - 1ph out)	7.5 KVA to 150 KVA (3ph in - 3ph out)
Input	Voltage Range	230V AC - 1 Ph	415V AC - 3Ph 4 Wire	415V AC - 3Ph 4 Wire
	Operating Range	170 V - 265 V	345 V - 475 V	345 V - 475 V
	Frequency	50 Hz	50 Hz	50 Hz
	Frequency Range	47 - 53 Hz	47 - 53 Hz	47 - 53 Hz
	Power Factor	> 0.8	> 0.92	> 0.92
Output	Voltage Range	220 / 230 V AC	220 / 230 V AC	400 / 415 V AC
	Voltage Regulation	± 0.1%	± 0.1%	± 0.1%
	Power Factor	0.8 Lag to Unit	0.8 Lag to Unit	0.8 Lag to Unit
	Crest Factor	3 : 1	3 : 1	3 : 1
	Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
	Frequency Regulation	± 0.1%	± 0.1%	± 0.1%
	Wave Form	True Sign Wave	True Sign Wave	True Sign Wave
	Harmonic Distortion	THD < 3%	THD < 3%	THD < 3%
	Overload Rating	150% for 30 Sec	150% for 30 Sec	150% for 30 Sec
	Transient Response	± 5% for full load change	± 5% for full load change	± 5% for full load change
	Response Time	Recovery to ± 2% within 5 mili Sec		
Efficiency	Inverter Efficiency	> 92%	> 92%	> 92%
	Overall Efficiency	> 85%	> 85%	> 85%
Protections	Rectifier	I/P AC Over Voltage & Under Voltage, DC Over Voltage & DC Low, Battery Charging Over Current		
			I/P Single Phasing, I/P Phase Reversal	
	Inverter	O/P Over Voltage / Under Voltage, O/P Over Load, O/P Short Circuit, Over Temperature		
Audio Alarm		Rectifier Trip, Over Load, Mains Fail, Battery Low with Pre-alarm, System Trip		
Optional Features	• Enclosures - IP 42 / Industrial Grade • Operating Temperature 50° C • Auto Changeover to Bypass Supply (Static Bypass) • Parallel Load Sharing / Hot Standby • Computer Interface, Self Diagnostics, SNMP • Auto / Manual Battery Test / Discharge Facility up to 400 Hz		• Input Power Factor 0.99 • ECO mode with 98% Efficiency • Remote Indicating Panel • Output Frequency • Auto Phase Reverse Correction	
***Note:** R&D is a continuous process, Specifications are subject to change without prior notice.				

Graphical Display Information

- Lift is running on mains
- Lift is running on UPS
- Single Phase – Pls call electricity board