

Introducing Nishan ALBS **A new generation, Emergency Backup Power** **for lifts and elevators.**

Elevators are an important facility in high rise buildings today. People prefer using lifts to reach high floors in the buildings.

Proper functioning of these lifts is essential to efficient and smooth operations of the buildings even during power blackouts. Sudden power blackout brings everything to halt resulting in public chaos. Today this is easily managed with a Powermonk ALBS*.

Nishan Power Converters offers advanced Powermonk ALBS for lifts to run lifts and building lights continuously in the event of power blackouts.

An emergency power backup system that provides hours of continuous power in the event of power blackouts. Powermonk ALBS are fast-acting and reliable changeover technology-based products. Experts choose Powermonk ALBS as an ideal choice in industrial and residential buildings when it comes to reliable emergency power.

*(*ALBS - Automatic Lift Backup System)*



Comparison of ALBS with DG sets, Features of ALBS and Technical Specifications

Powermonk ALBS		Diesel Generator	
1	Fully automatic operation.	1	Manual
2	Low capital costs.	2	High capital costs.
3	Environment friendly	3	Fumes and smoke causes pollution.
4	No noise	4	High noise levels during operation.
5	Low operating costs.	5	High operating costs. Fuels, oils etc.
6	Requires small space to install.	6	Dedicated large area required.
7	Fixed operational costs during battery lifespan.	7	Variable operational costs.
8	No theft of fuel consumables etc.	8	Fuel pilferage risk
9	Advances built-in protection like overload, short circuit, overvoltage etc.	9	No such built-in features available. Absent.
10	Built in emergency landing facility.	10	Not available
11	Solar Upgradability.	11	Not available
12	Unbalanced load capability (lift, lighting loads etc.)	12	Electrical load balance complexity challenge.
Features and Specifications		Technical Specifications	
➤	20KHz switching frequency.	➤	Power Rating: 3 KVA to 100 KVA
	Resulting in silent operation.	➤	Control Device: DSP (Digital Signal Processing)
	No audible noise.	➤	Power Devices: IGBT modules
➤	Cutoff and auto restart	➤	Input Battery Voltage: 96V to 768V DC
	Permanent cut after	➤	Output Voltage: 220 V AC +/- 1% per phase
	5 consecutive cut offs.	➤	Output Configuration: Three Phase, 4 Wire, Star
➤	Inbuilt SMPS charger.	➤	Output Frequency: 50 Hz / 60hz (Settable)
	Constant current charging with full charge cut-off	➤	Output Wave Shape: Sinusoidal
➤	Protection against	➤	Output T.H.D: < 2 %
	phase imbalance and	➤	AC Input: Three Phase, 4 Wire
	phase sequence error.	➤	AC i/p Voltage Range: 120v to 290 VAC/Phase
➤	Protection against accidental	➤	Mains Charging: PWM DSP controlled
	output feedback disconnection.	➤	Mains Charging Current: Settable from 0 to 15 A
➤	Protection against overload and short circuit.	➤	Mains Charging Voltage: 140 – 270 V AC
➤	No load shut down and auto restart.	➤	Solar Charging Priority: Yes
➤	Indigenous design with proven technology	➤	Short Circuit Restart: Auto after 15 Secs
➤	Inbuilt single-phase prevention.	➤	Overload: 200 % for 5 Secs.
➤	Unbalance load operation.	➤	PC Interface: RS-232
➤	Priority solar charging.	➤	Efficiency: > 90%
➤	Ability to power un-balanced loads	➤	No Load Shut Down, saves energy
		➤	Auto Restart on Load: Provided
Operating Environment			
➤	Temperature: 0 To 40 Deg °C		
➤	Humidity: 0% - 90% (non-Condensing		
➤	Indications & Alarms: LCD and Buzzer		

**For Product inquiry please contact,
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