



## SINEWAVE INVERTER LIFT BACKUP SYSTEM

6KVA- 100KVA (3 PHASE)

Makvolt made Sinewave Inverters offer uninterrupted supply and incur very low running costs, unlike diesel Gensets which have to run as per full load conditions thereby resulting in substantial fuel expenses whereas Inverters can run on partial load. Running generators on partial load reduces the efficiency of generators which results in higher consumption of fuel as well as reduced life of generator whereas Inverters operate with the same efficiency at all load settings and provide higher back-up time even at partial loads.

### FEATURES

- Microcontroller based PWM technology using Hi-Grade IGBTs with Peak Current Handling Capacity.
- Pure Sinewave Technology which ensures Noiseless, Safe and Efficient Performance.
- Wide input voltage and frequency range against harsh utility environment
- Built in high capacity battery charger
- Starts automatically, no user action required
- LCD displays Inverter status and offers easy access to measurements.
- Eco-friendly, no fumes, no noise, no pollution

### APPLICATIONS

- Lift Backup System
- Air conditioning units
- Petrol pumps, Water pumps, Electric Motor

### TECHNICAL SPECIFICATIONS

AC Input	415V+ 15%-20%
DC Voltage	: 72 VDC to 360 VDC
Charging Time	: 8 Hours for 90% of full Capacity
Charger Type	: CVCC Internal Controlled Rectifier type
<b>INVERTER</b>	
Output Voltage	: 415V AC
Frequency	: 50Hz± 0.5Hz
Wave Form	: PWM Sine wave
Harmonic Distortion	: Less than 3% on Linear Load
Inverter Efficiency	: >90%
Power Factor	: 0.8 Lagging
Overload	: 105% Continuous, 150% for 30 sec
Crest Factor	: 4:1
Audible Noise	: Less than 45 dB at 1 Meter
<b>DISPLAY</b>	
LCD Meter	: R,Y,B Output Voltages, Output Currents DC Voltage
LED / ALARM	: Mains ON, Inverter ON, DC Low, Fault & Output Overload
PROTECTIONS	: Output Overload & Short circuit, Output Over Voltage, DC Under & Over Voltage, Input Under & Over Voltage, Single Phasing
Operating temperature	: 0°C to 50°C
Humidity	: Max 95%, Non-condensing

Uninterrupted Life

## SINEWAVE UPS

800VA-10KVA

Makvolt made Sinewave UPS uses the advanced DSP technology, it provides pure sine wave output ensuring Noiseless, Safe & Efficient Performance with Long Backup hours. It is a reliable & highly cost effective solution which is perfectly tuned for powering your business and keeping it safe from power failures. It is ideally designed for mixed load operations such as computer & various lighting loads.

### APPLICATIONS

- Offices / Industries
- Health Clinics / Hospitals
- Air Conditioners
- Shopping Malls / Showrooms



## TUBULAR BATTERY

(150 AH - 220 AH)

Megacell is a trusted brand in Industrial Tubular Batteries for Inverters, UPS & Solar. With more than two decades of experience it has helped combat power cuts with high performance. The Tubular range of batteries are made up of lead-acid combination which makes them more resistant to any severe condition. These batteries are long lasting & highly powerful. The unique design and the premier quality of raw material makes it ultra low maintenance and easy to use.

### APPLICATIONS

- UPS & Inverter
- Solar
- Emergency lighting
- Medical equipments
- Telecommunication System

