



VOLTA POWERLINK PRIVATE LIMITED
An ISO 9001-2000 Certified Company
(Formerly MAKSON ENGINEERS)

Empowering your Business

Sinewave Inverter



- High inrush/peak current handling capacity
- Pure sine wave output
- High frequency PWM inverter
- Crystal Controlled Output frequency
- Compact and well engineered architecture
- Smooth and silent operation
- Superior performance to price analysis

Lift Power
Backup System
Available



ISO 9001-2000 CERTIFIED PRODUCT



VOLTA POWERLINK PRIVATE LIMITED
An ISO 9001-2000 Certified Company
(Formerly MAKSON ENGINEERS)

Sinewave Inverter

TECHNICAL SPECIFICATIONS

Capacity	5 to 200 kVA
AC Input	415V + 15%-20% Three Phase Input
Frequency	50Hz \pm 6%
DC Voltage*	96V DC to 360V DC
Charging Time	12 Hours for 90% of full Capacity
Charger Type	CVCC Internal Controlled Rectifier type
INVERTER	
Technology	IGBT Double Conversion
Output Voltage	400 / 415V AC Three Phase
Frequency	50Hz \pm 0.5Hz
Wave Form	PWM Sine wave
Harmonic Distortion	Less than 3% on Linear Load
Inverter Efficiency	> 90%
Power Factor	0.8
Overload	105% Continuous, 300% for 60 sec
Crest Factor	4:1
Phase Displacement	120° \pm 1
Audible Noise	Less than 45 dB at 1 Meter
DISPLAY	
LCD Meter	R, Y, B Output Voltages, Output Currents, DC Voltage, Battery Percentage
LED / ALARM	Mans 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
GENERAL	
Operating temperature	0°C to 50°C
Humidity	Max 95% Non-condensing

* DC Voltage variations available on requirement

VOLTA LIFT BACKUP SYSTEM	V/S DG SET
Fully Automatic operation	Manual operation
Low Capital cost per kVA	High Capital cost per kVA
No extra accessories cost	Additional cost for auto change over, AMF panels, Acoustic Cover etc
Battery power utilises only when load is applied	Diesel consumption irrespective of load
Noiseless	High noise level
Environment friendly	Air pollution
Can be installed in a small foot print area	Relatively larger space are required
Operational cost fix during the battery life span	Variable on account of fluctuating fuel cost
No fuel storage license required	Fuel storage license required
Built in protections like overload, short circuit, over voltage, regulated voltage and frequency	No such built in protections as standard features
If load is less, backup time is high	For longer backup more cost required
Maintenance cost Rs. 100/- per month i.e. distilled / battery water cost at time of heavy use. Yearly maintenance Rs. 100 x 12 months = Rs. 1,200/-	Maintenance cost i.e. diesel, filter, oil filter, service charge costs near about Rs. 1,000/- quarterly. Yearly maintenance and diesel cost Rs. 10,000 x 12 months = Rs. 1,20,000/- + Rs. 4000/-

MANUFACTURED BY:

VOLTA POWERLINK PRIVATE LIMITED

(Formerly MAKSON ENGINEERS)

29, Blue Rose Industrial Estate, Next to Jaya Petrol Pump, mp,
Off W. E. Highway, Borivali [E], Mumbai - 400 066.

Tel. : (022) 2854 6884 / 85

Fax : (022) 2854 6886

Mobile : 98701 22388 / 9324049301

E-mail : info@vottaproduct.com

Website : www.voltaproduct.com



ISO 9001-2000 CERTIFIED PRODUCT

Due to continuous improvement the Company reserves the right to vary the specification and models without prior notice.