



UNIQUE MAX

GATEWAY TO PURE POWER

UPS SYSTEMS / POWER CONVERTERS
TO SUIT YOUR EVERY NEED





UNIQUE MAX

GATEWAY TO PURE POWER

WORLD CLASS UPS PRODUCTS



APPLICATIONS

- DATA CENTERS
- IT & ITES
- SOLAR/WIND POWER GEN.
- BUILDING MANAGEMENT
- EDUCATION
- TELECOM EQUIPMENT
- SATELLITE EARTH STATIONS
- BANKING
- DEFENSE
- R & D CENTERS
- BIO-MEDICAL EQUIPMENT
- INDUSTRIAL INSTRUMENTATION
- MACHINE TOOLS
- PHOTO COPYING MACHINES
- HOME - UPS
- OTHER SPECIFIC APPLICATIONS



MORE THAN
2000
INSTALLATIONS
ABOVE 10 KVA
ACROSS INDIA

Unique Max is a professionally managed organisation contributing in the field of Electronic Power Back up Systems through its Design and Manufacturing capabilities of On line UPS, Off Line UPS, Home UPS, SFC, Stabilisers, Chargers etc. The company also deals in all types of Battery systems, The strength lies in its capability to design and manufacture the products in house for all types of requirements. Products are manufactured in ISO 9001 Certified facilities.

HIGHLIGHTS

- Installations pan India-
- Exported products to Gulf, Russia, South Africa
- Field proven range of products which are designed and manufactured in-house
- ISO 9001 Certification
- Design and Manufacturing capabilities for electronics as well as wound components (transformers, Chokes etc) & Fabrication
- Continuous Research and Development of Technology

USP OF OUR PRODUCTS

- RUGGED DESIGN FOR TOUGH INDIAN ENVIRONMENTAL CONDITIONS
- STATE OF THE ART TECHNOLOGY
- VARIOUS MODELS TO CHOOSE DEPENDING UPON THE SUITABILITY OF THE ACTUAL REQUIREMENT
- LOW NOISE
- HIGH MTBF
- IN HOUSE MANUFACTURING OF WOUND COMPONENTS SO CUSTOMISATION AND UPGRADATION IS EASILY POSSIBLE
- AFTER SALES SERVICE AVAILABLE FROM MAJOR CITIES ACROSS THE COUNTRY

PRODUCTS

Unique Max Sine Wave SOLAR INVERTER / UPS

Range - 600 VA – 4.8 KVA

- True Sine Wave output
- High Frequency PWM design using MOSFETs
- INVERTER / UPS Mode availability as per user requirement
- Extremely Compact size
- Easy to Install and Operate
- Extended battery backups possible
- In built Manual Bypass switch arrangement,
- Optional Battery Reverse Protection, Output Short Circuit Protection

Unique Max Off Line 1 ph. & 3 ph. UPS Systems

Range – 6 KVA - 150 KVA

- Extremely efficient & fully automatic
- Back up for single / multiple elevators from single unit possible
- Compatible for all types of elevators
- Extremely Compact size
- User friendly Display with simple operation
- Easy to Install and Operate
- Extended battery backups possible

Unique Max True ON-LINE UPS

Range – 1KVA - 10 KVA (1Ph -1Ph)

10 KVA – 30 KVA (3Ph – 1Ph)

15KVA – 500 KVA (3Ph – 3Ph)

- Wide range of Input Supply Voltage to suit Indian conditions
- Custom built design is possible as per User specifications
- Latest Technology
- Compact size
- True ON-LINE Design
- High Performance; High Efficiency with near unity power factor
- Excellent Voltage Regulation and Transient Response
- Comprehensive and User friendly LCD Display with Mimic
- Support all types of Battery Systems
- Extended Run Time Facility
- Diesel Gen set Compatible
- Optional Intelligent Computer Interface
- Optional Auto By-pass facility

We have Designed and Supplied following Custom built Equipments other than our standard products

For Defense applications

- 400Hz Static Frequency Converter for Radar Test Facility
- DC Power Supply 220 V - 80A for Submarine application.

For Industrial Applications

- Plate Formation Rectifier
- Variable Power Supply 5 - 600V for Capacitor Manufacturing Plant
- Battery Charger and Dischargers
- Charge Controllers for Solar and Wind Power applications
- Designed and Supplied 75KVA Inverter for Wind Power Generator

	Standard Rating		
	1KVA - 10 KVA	7.5 KVA - 30 KVA	15 KVA - 150 KVA
INPUT			
Voltage	230 V AC - 1 Ph	415 V AC - 3 Ph 4 Wire	415 V AC - 3 Ph 4 Wire
Opening Range	170 V - 265 V	345 V - 475 V	345 V - 475 V
Frequency	50 Hz		
Frequency Range	47 - 53 Hz		
Power Factor	> 0.8		> 0.92
OUTPUT			
Rating	1/2/3/5/7.5/10 KVA	10/15/20/25/30 KVA	15/20/25/30/40/45/50/60 75/80/100/120/150 KVA
Voltage	220 / 230 V AC		400 / 415 V AC
Voltage Regulation	± 1%		
Power Factor	0.8 lag to unity		
Crest Factor	3 : 1		
Frequency	50 / 60 Hz		
Frequency Regulation	± 0.1%		
Wave form	True Sine wave		
Harmonic Distortion	THD < 3%		
Overload Rating	150% for 30 seconds		
Transient Response	± 5% for full load change		
Response Time	Recovery to ± 2% within 5 msec		
DC Link			
Nominal DC Voltage	2, 3 Kva : 48 - 144 v	10, 15 Kva : 240 / 360 v	15 Kva : 240 / 360 v
	5 Kva : 120/144/180 v	20 Kva : 300/360 v	20 Kva : 300/360 v
	7.5, 10kva : 180 / 240 v	25, 30kva : 360 v	25 kva & above : 360 v
DC Bus Volts Ripple	< 2%		
Battery Type	VRLA Sealed Maintenance Free (SMF) / Lead Acid Tubular (Flooded type) / Nil - Cd		
Insulation	DC Circuit Breaker		
EFFICIENCY (Typical)			
Inverter Efficiency	> 95%		
Overall Efficiency	> 92%		
PROTECTIONS			
Rectifier	I/P AC Over voltage / Under voltage		
	DC Over voltage		
	Battery Charging Over current		
	I/P Single Phasing		
	I/P Phase Reversal		
Inverter	O/P Over voltage / Under voltage		
	O/P Overload		
	O/P Short circuit		
	O/P Under voltage		
	Over Temperature		

Marketed by :



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	Standard Rating		
	1KVA - 10 KVA	7.5 KVA - 30 KVA	15 KVA - 150 KVA
AUDIO ALARM			
	Rectifier Trip		
	Overload		
	Mains Fail		
	Battery Low with Pre-alarm		
	System Trip		
METERING			
	Multifunction LCD Display to read the following parameters with user friendly Mimic Diagram		
	I/P Voltage & Current	1PH Parameters upto 30 KVA	
	I/P Frequency		
	Battery Voltage		
	Battery charging / discharging current		
	OP Voltage		
	OP Current		
	OP Frequency		
PHYSICAL			
Size	260(w)X545(d)X500(h) mm (1 - 5 kva)	325(w)X650(d)X650(h) mm (7.5 - 15 kva)	400(w)X 900(d)X 850(h)mm(15 kva)
	325(w)X550(d)X650(h) mm (6 - 10 kva)	400(w)X800(d)X850(h) mm (20 - 30 kva)	400(w)X900(d)X 950(h) mm(20 - 40 kva)
			800(w)X800(d)X1800(h)mm (50 - 100 kva) - A
			A + 1000(w)X800(d)X1800(h)mm (120 - 150 kva)
Enclosure	IP 21		
Cable Entry	Bottom		
Colour	Siemens gray		
ENVIRONMENT			
Operating Temperature	0 to 45°		
Storage	-10 to 70°		
Humidity	up to 95% RH (non-condensing)		
Cooling	Forced Air Cooling		
Noise	< 55 db	< 60 db	< 65 db
Altitude	< 3000 mtr. above mean sea level.		
OPTIONAL FEATURES			
Enclosure IP 42 / Industrial Grade			
Cable Entry Top			
Input Power Factor 0.99			
Operating Temperature 50°C			
Auto Changeover to Bypass Supply (Static Bypass)			
Remote Indicating Panel			
Computer Interface Data Logger and Self Diagnostics Feature			
SNMP			
Output Frequency 400 Hz			
Auto / Manual Battery Test / Discharge Facility			
Parallel Load Sharing / N + 1 Configuration is available			
Individual Battery Monitoring system			
19" Rack Mounting type Models available			
IEC Conformance on request			
ECO Mode with 98% Efficiency			

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