



UNINTERRUPTIBLE POWER SUPPLY

FOR INDUSTRIAL APPLICATIONS
ONLINE UPS Systems: 5 KVA to 200 KVA



COMPANY PROFILE



HISTORY

MULTINET SYSTEMS, one of the leading names in the Power Electronics segment. Under the brand name, **COSMIC+™**, we manufacture and supply power backup/conditioning solutions for industrial applications. Our journey begins in early **1997** with the aim of providing solutions & services of industrial Power conditioning and power backup solutions as well as related products. **Since last 20+ years**, we have presence in Power Electronics & conditioning segment and serving various industrial segments. under the guidance of our rich experienced & technically sound management team, we achieved success and fulfill our customer's requirements.

Since the inception of **COSMIC+™**, we have witnessed a tremendous growth in all the verticals of our operations and never look back. We have always used advanced technology and innovative methods of operations.

PRODUCTS

- ▶ Online UPS
- ▶ Servo Stabilizer
- ▶ Lift Inverter
- ▶ Solar Inverter
- ▶ Networking/ Server rack



KEY SPECILITIES

We are customer-oriented company and always closely work with our clients and provide optimum solutions after Analyzing infrastructure conditions, application needs and customer requirements.

Our prime focus,

- ▶ Customer satisfaction and happiness
- ▶ Quality of Products and services
- ▶ 100 % Efficient and effective solutions
- ▶ Tailored solution based on customer needs
- ▶ Cost saving & energy optimized solutions
- ▶ After sales services & support



SALIENT FEATURES

- ▶ True online Topology
- ▶ Pure sine wave output
- ▶ High input power factor
- ▶ Space saving design
- ▶ User friendly LCD display
- ▶ Low harmonic pollution
- ▶ Built in Isolation transformer
- ▶ Uninterrupted and Reliable
- ▶ Highest protection and excellent noise filtering
- ▶ Robust Design for Harsh Environment



TECHNICAL SPECIFICATIONS*			
Model	MS+101	MS+301	MS+303
Capacity (Input + output phase)	5 kVA – 10 kVA (1+1 phase)	10 kVA – 30 kVA (3+1 phase)	10 kVA – 200 kVA (3+3 phase)
AC Input			
Input voltage	200/415 VAC ± 15-20 % (single/ three phase)		
Frequency	50 Hz ± 10%		
Power factor	≥ 0.90		
DC Charger			
DC Voltage	180 VDC / 240 VDC / 360 VDC		
Charger type	Controlled Rectifier CVCC (Constant Current Constant Voltage Type)		
Charging time	12 Hours for 90% of full Battery capacity		
AC Output			
Technology	IGBT Based Double Conversion PWM (DSP Based)		
Output Voltage	230 VAC single phase	230 VAC single phase	400 - 415 VAC (3-phase)
Output Frequency	50 Hz ± 0.1 Hz		
Output power factor	0.8		
Inverter efficiency	> 92 %		
Overload	105% continuous, 150% for 60 sec		
Harmonic Distortion	Less than 3%		
Crest factor	3:1		
Phase displacement	120° ± 1°		
Audible Noise	Less than 50 dB at 1 Meter		
Waveform	PWM Sinewave		
General			
Environment	0° to 50° C & 95 % RH		
Battery	Sealed Maintenance Free (SMF) - 12 V cells (on request)		
Display	LCD		
Change - Over	a.Electro mechanical switch (Std. Maintenance by-pass) b.Static switch (On request)		
Protection	▶ Input under/ Over voltage	▶ DC under/ over voltage	
	▶ Output under/ Over voltage	▶ Over temperature	
	▶ Output overload/ Short circuit		
Indication	▶ Mains on	▶ Fault (with Alarm)	
	▶ Inverter on	▶ Output overload (with Alarm)	
	▶ DC Low (with Alarm)		
Metering	▶ Input/ Mains Voltage	▶ DC voltage & current	
	▶ Output voltage	▶ Battery capacity	
	▶ Output current & frequency	▶	
Communication (On request)	SNMP/Wi-Fi Based		

*Specifications are subject to change without prior notice due to constant improvement in design & technology.

*Specification can be customized to suit specific requirement.

Services & Support

- ▶ Site inspection & Load calculation
- ▶ Installation & Commissioning
- ▶ Annual Maintenance Contract (AMC)
- ▶ Battery analysis and replacement
- ▶ Power quality analysis
- ▶ Critical spare parts supply
- ▶ ON call & ON site support



Factory & Head Office

303/9, 2nd phase, Near old 'C' type,
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Dis. Valsad, Gujarat (INDIA)

Branch Office

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