

SERVOKON

RAKHE SAB CONTROL MEIN



**ONLINE
UPS**

Upto 800 KVA



WWW.SERVOKON.COM



RAKHE SAB CONTROL MEIN

ABOUT US

OUR COMPANY OVERVIEW

One of the largest manufacturers and suppliers of power conditioning equipment and transformers in the Indian market, Servokon has been synonymous with quality and unmatched performance for more than three decades. The values embedded by Mr. Haji Kamruddin in the organisation's culture at the time of establishment in 1990 are still revered by the stakeholders, and they helped Servokon to steer towards international markets with exceptional growth on export fronts.

The brainchild of Mr. Haji Kamruddin has now evolved into a path-breaking brand of industrial and social significance, and the entire product range of Servokon speaks volumes about the vision and farsightedness of a leader with a high proclivity towards technological innovations and willingness to adopt the best business policies. That's why since its inception, the company has experienced tremendous growth that has gradually helped it to emerge as a national leader in power conditioning equipment and transformers.

Servokon manufactures and delivers avant-garde products, including Power Transformers, Distribution Transformers, Servo Voltage Stabilizers, Rolling Contact/Linear Type Servo Stabilizers, Automatic Voltage Stabilizers, Online UPS, Solar Power Generation System (SPGS), HT AVR, Built-in AVR, CVT, Variable Auto Transformer (Variac), HT & LT Electrical Panels, Furnace Transformers, Pad Mounted Transformers, Isolation Transformers, Compact Sub Stations (CSS), Packaged Sub Stations (PSS), Step Up & Step Down Transformers, Special Duty Transformers, Solar Inverter, Solar Battery, Solar Panels, Geysers and various other Industrial & Domestic Products. Servokon's progressive and transparent company policies and state-of-the-art manufacturing facilities have helped it to extend its market reach even beyond India.

Every product has to pass stringent quality tests before finding its place in the market. Servokon maintains Indian standards (IS), IEC, IEEE, NEMA & various international standards throughout the manufacturing and distribution processes. These consistent efforts in quality assurance have helped Servokon secure approval from the various reputed government institutions and boards such as Central Power Research Institute (CPRI), Electrical Research and Development Association (ERDA), National Test House (NTH), National Accreditation Board for Testing and Calibration Laboratories (NABL), Power Grid Corporation of India Limited and many more government approval bodies.

VISION

To carve a distinct and impactful niche in the production and supply of robust power conditioning solutions such as High-capacity Transformers and Servo Stabilizers through an efficient network of channel partners in India and abroad. Besides, Servokon is committed to facilitating the renewable energy goals of industries and economies through research-based and cost-effective solar power solutions.

MISSION

To successfully understand the present and future needs of domestic and overseas markets and meet their expectations with the most advanced, efficacious, and budget-friendly solutions. Moreover, to continuously add value to Servokon's products and services by leveraging innovations, incorporating skills, and adhering to professional ethics.



Let's bring Quality
& Consistency
together!

#SaifAliKhan

35
YEARS OF TRUST



ONLINE TRANSFORMERLESS UPS

ZENITH SERIES

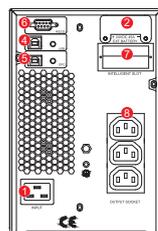
1 KVA ~ 3 KVA (1:1 PHASE 0.9 PF)

Features

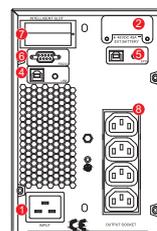
- High frequency on-line double conversion technology
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), Ensure input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz)
- Auto sensing frequency
- 50/60 Hz frequency conversion
- Cold start
- Built-in Isolation Transformer (Optional)
- Intelligent fan speed control
- Quick and stable charging, 90% capacity restored in 4h (standard model UPS)
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB/RS485 / SNMP / dry contacts (optional)
- Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, and 12 A charger (2/3 kVA only)

Rear Panel

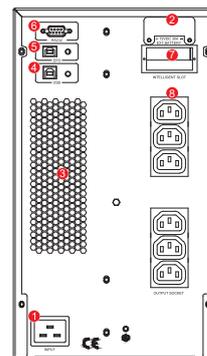
- AC input socket
- Battery connector (Optional)
- Fan
- USB (Optional)
- EPO (Optional)
- RS232
- Intelligent slot (Optional)
- Output sockets



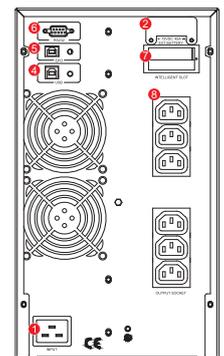
1kVAS



2kVAS (48V)



2kVAS (72V)



3kVAS

ZENITH SERIES

1 KVA ~ 3 KVA (1:1 PHASE 0.9 PF)

Specifications

MODEL	ZENITH-1101T3	ZENITH-1102T3	ZENITH-1103T8
Capacity	1kVA/ 900 W	2 kVA/	1800 W
INPUT			
Rated Voltage	208 / 220 / 230 / 240 Vac		
Voltage Range	110 ~ 176 Vac (Load Dependent and 100% load); 176 ~ 290 V		
Frequency	40 ~ 70 Hz (auto-sensing)		
Power Factor	≥ 0.99		
Bypass Voltage Range	- 25% ~ +15% (settable)		
OUTPUT			
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)		
Voltage regulation	±1%		
Frequency	50 / 60 Hz ± 2.5 Hz (battery mode)		
Waveform	Pure Sinusoidal Waveform		
Power factor	0.9		
Total harmonic distortion (THDv)	≤ 2% (linear load), ≤ 5% (non-linear load)		
Crest factor	3:1		
Overload	≤ 110% for 10 Mins, 125% for 1 min, 125% ~ 150% for 30 sec		
BATTERIES			
DC voltage	36 V	96 V	
Inbuilt battery	3 Nos X 7 Ah / 9 Ah	8 Nos x 7 Ah / 9 Ah	
Charging current (standard)	1A / 5A		
Recharge time	Standard model: 90% capacity restored in 3 hours: Long Time Model: depend on the capacity of battery		
SYSTEM			
Efficiency	≥ 90%	≥ 96% (Green mode)	
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)		
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection		
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)		
Display	LCD + LED		
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3		
OTHERS			
Operating temperature	0°C ~ 40°C		
Storage temperature	-25°C ~ 55°C (without batteries)		
Relative Humidity	0 ~ 95% (non-condensing)		
Altitude	≤ 1000 m, derating 1% for each additional 100 m		
IP rating	IP 20		
Noise level at 1m	≤ 50 dB		
Dimensions (WxDxH) (mm)	144 x 336 x 216	191 x 419 x 335	
Net weight (kg)	6 kg	11 kg	
Gross weight (kg)	7 kg	12.5 kg	

Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac.

All specifications are subject to change without notice.

Custom-made specifications are acceptable.



ONLINE TRANSFORMERLESS UPS ZENITH SERIES

6 KVA ~ 10 KVA (1:1 PHASE 1.0 PF)

Features

- Unity Power Factor "KVA = KW"
- High frequency on-line double conversion technology
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), Ensure input power factor up to 0.99
- High Efficiency 95% (Up to 98% in ECO mode)
- Advanced Digital Parallel Technology
- Wide input voltage range (110 V ~ 290 Vac) and frequency range (40 ~ 70 Hz)
- Auto sensing frequency 50/60 Hz
- Dual-input design supporting independent bypass
- Flexible battery configuration (settable 16-20 Nos batteries)
- High charging current available (Max. 12 A)
- Cold start
- Charging voltage and current configured by demands
- Equipped with self-aging function
- Fan speed varies intelligently with temperature, reducing noise and extending its service life
- Equipped with self-aging function
- Multi Function LCD + LED + Key operation Friendly Human Machine Interface
- Advanced multi-platform communications: RS232, USB, RS485, SNMP and dry contacts communication interfaces
- Effective software and hardware protection function, robust self-diagnostic function, and abundant event log for check
- Built-in Isolation Transformer (Optional)

REAL PANEL

- RS232
- EPO
- Parallel Port (optional)
- USB (optional)
- Temperature Detection (optional)
- Intelligent Slot
- Breaker or outlets ect.
- Fans
- Bypass Breaker
- Input Breaker
- GND
- Terminals and Cover



6/10 kVA (H)



6/10 kVA (S)

ZENITH SERIES

6 KVA ~ 10 KVA (1:1 PHASE 1.0 PF)

Specifications

MODEL	ZENITH-1106T20	ZENITH-1110T20
Capacity	6 kVA / 6 kW	10 kVA / 10 kW
INPUT		
Rated Voltage	208 / 220 / 230 / 240 Vac	
Voltage Range	110 ~ 176 Vac (Load Dependent and 100% load); 176 ~ 290 V	
Frequency	40 ~ 70 Hz (auto-sensing)	
Power Factor	≥ 0.99	
Bypass Voltage Range	- 40% ~ +15% (settable)	
OUTPUT		
Voltage	208 / 220 / 230 / 240 Vac (settable via LCD)	
Voltage regulation	±1%	
Frequency	50 / 60 Hz ± 2.5 Hz (battery mode)	
Waveform	Pure Sinusoidal Waveform	
Power factor	0.9	
Total harmonic distortion (THDv)	≤ 1% (linear load), ≤ 4 % (non-linear load)	
Crest factor	3:1	
Overload	≤ 110% for 10 Mins, 125% for 1 min, 125% ~ 150% for 30 sec	
BATTERIES		
DC voltage	192 Vdc (192 ~ 240 Vdc settable)	
Inbuilt battery	16 Nos (16 ~ 20 settable)	
Charging current (standard)	5A (default), 12A (optional)	
Recharge time	Standard model: 90% capacity restored in 8 hours: Long Time Model: depend on the capacity of battery	
SYSTEM		
Efficiency	≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode	
Transfer time	Mains mode to battery mode: 0 ms Inverter mode to bypass mode: 4 ms (typical)	
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection	
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)	
Display	LCD + LED	
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3	
OTHERS		
Operating temperature	0°C ~ 45°C	
Storage temperature	-25°C ~ 55°C (without batteries)	
Relative Humidity	0 ~ 95% (non-condensing)	
Altitude	≤ 1500 m, derating 1% for each additional 100 m	
IP rating	IP 20	
Noise level at 1m	≤ 55 dB	≤ 58 dB
Dimensions (WxDxH) (mm)	191 x 465 x 350	191 x 495 x 350
Net weight (kg)	14.5 kg	16.5 kg
Gross weight (kg)	16 kg	18 kg

All specifications are subject to change without notice.

Custom-made specifications are acceptable.



ONLINE TRANSFORMER - BASED UPS

ASTRO SERIES

10 KVA ~ 120 KVA (3:3 PHASE 0.9 PF)

ASTRO series UPS is a Smart 3 phase in 3 phase out uninterruptible power supply, it adopts double transform high frequency SPWM and high-performance digital signal processor precision design, meets all high reliability requirements of UPS and integrates reliability, safety, maintainability of a new generation low frequency UPS.

Features

- Online double-conversion with full DSP control
- IGBT inverter with output isolation transformer
- 100% unbalance load capability
- Output power factor 0.9
- Generator compatible
- Auto-restart
- Green mode function ensure optimize efficiency to save energy
- Touch screen display, friendly human & machine interface
- Intelligent self-diagnosing function, all kinds of failure protection
- More then 10000 events and history recode
- High MTBF (> 200,000 h) & Low MTTR (< 0.4 h)
- (EPO) Emergency Power Off function
- Versatile Communication RS232,RS485,dry contacts communication port
- Optional SNMP & dry contract
- Optional N+X redundancy parallel up to 6 units

ASTRO SERIES

10 KVA ~ 120 KVA (3:3 PHASE 0.9 PF)

Specifications

MODEL	ASTR03310T30	ASTR03315T30	ASTR03320T30	ASTR03330T30	ASTR03340T30	ASTR03360T30	ASTR03380T30	ASTR033100T30	ASTR033120T30
Capacity	10 kVA	15 kVA	20 kVA	30 kVA	40 kVA	60 kVA	80 kVA	100 kVA	120 kVA
INPUT									
Rated Voltage	380 / 400 / 415 Vac \pm 25%								
Voltage Range	110 ~ 176 Vac (Load Dependent and 100% load); 176 ~ 290 V								
Frequency	50 ~ 60 Hz (auto-sensing)								
Eco Voltage Range	\pm 10% (settable)								
Bypass Voltage Range	\pm 20% (settable)								
OUTPUT									
Voltage	380 / 400 / 415 Vac								
Voltage regulation	\pm 1%								
Frequency	50 / 60 Hz \pm 2.5 Hz (battery mode)								
Waveform	Pure Sinusoidal Waveform								
Power factor	0.9								
Total harmonic distortion (THDv)	\leq 2% (linear load)								
Crest factor	3:1								
Overload	\leq 110% for 60 Mins, \leq 125% for 10 min, \leq 150% for 60 sec, \leq 200% for 100 msec								
BATTERIES									
DC voltage	360 Vdc (360 ~ 384 settable)								
Inbuilt battery	30 Nos (30 ~ 32 settable)								
Charging current (standard)	20% (default), settable								
Recharging topology	Charging Three-stage charging, auto switch floating / equalizing charge								
Battery self-test	Battery self-test Settable periodic self-test; manually configurable test time and voltage								
SYSTEM									
Efficiency	\geq 94% at 100% load, \geq 98% in ECO mode								
Max. number of parallel connections	6								
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection								
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)								
Display	LCD + LED								
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3								
OTHERS									
Operating temperature	0 ^o c ~ 45 ^o c								
Storage temperature	-25 ^o c ~ 55 ^o c (without batteries)								
Relative Humidity	0 ~ 95% (non-condensing)								
Altitude	\leq 1500 m, derating 1% for each additional 100 m								
IP rating	IP 20								
Noise level at 1m	\leq 55 dB					\leq 60 dB	\leq 65 dB		
Dimensions (WxDxH) (mm)	400 x 800 x 1100					450 x 860 x 1200	640 x 800 x 1500	700 x 800 x 1700	
Net weight (kg)	145 kg	155 kg	160 kg	210 kg	240 kg	300 kg	485 kg	610 kg	670 kg
Gross weight (kg)	175 kg	185 kg	190 kg	240 kg	270 kg	330 kg	515 kg	640 kg	700 kg

All specifications are subject to change without notice.

Custom-made specifications are acceptable.

COMPANY PRESENCE



EXPORTING IN 30+ COUNTRIES



3-TIER DISTRIBUTION NETWORK

300+
Distributors

3000+
Dealers

600+
Team Members

INDIA NETWORK

HO : Noida

Works : Ghaziabad

18+
States Operations

SERVOKON

RAKHE SAB CONTROL MEIN



PRODUCT RANGE

- Power Transformers
- Distribution Transformers
- Servo Voltage Stabilizers
- Rolling Contact/Linear Type Servo Stabilizers
- Automatic Voltage Stabilizers
- Online UPS
- Solar Power Generation System (SPGS)
- HT AVR
- Built-in AVR
- CVT
- Variable Auto Transformer (Variac)
- HT & LT Electrical Panels
- Furnace Transformers
- Pad Mounted Transformers
- Isolation Transformers
- Compact Sub Stations (CSS)
- Packaged Sub Stations (PSS)
- Step Up & Step Down Transformers
- Special Type of Transformers
- Solar Inverter
- Solar Battery
- Solar Panels
- Geysers



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SERVOKON SYSTEMS LIMITED

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