



GAMATRONIC™
Our Power Your Confidence



CENTRIC 208V

Modular UPS

208V 60kVA/54kW

208V 160kVA/144kW



CENTRIC 208V

Centric 208V UPSs offer uninterruptible power supply that can accommodate on your needs. Comprised of two different UPSs systems, Gamatronic's Centric 208V family of products includes:

- Centric 208V 60kVA/54kW with internal batteries
- Centric 208V 160kVA/144kW with external batteries

Features:

- Internal batteries and allows to save space for 60kVA/54kW units
- Provides back up time
- Uses 20Ah batteries
- 19" cabinet 42U rack

Benefits:

- High power density
- Small footprint
- All major components are hot swappable
- Built in maintenance bypass
- Easy to maintain
- Smart and user-friendly system controller



Standard Features:

GENERAL:

- Online double-conversion architecture.
- User-friendly interface.
- AC-AC efficiency up to 94%.
- Small footprint.
- Transformerless design.
- Compatible with 3-wire and 4-wire infrastructure.

30 kVA/kW POWER MODULE

- Modular design provides easy scalability and service.
- A module can be replaced in minutes, without interruption to the load (hot swap).

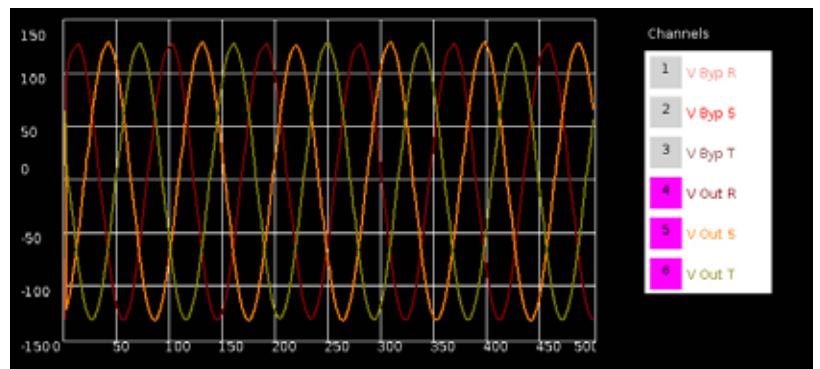
STATE OF THE ART CONTROLLER

- 7" color touch screen.
- Fast and intuitive navigation to data display and configuration screens.
- Continuous monitoring by the controller of all the UPS components.
- Large system log with extensive details of system state.
- System log can be exported through ethernet or USB connections.
- Control of on/off state of each module.
- Sophisticated battery test.
- Continuous dynamic estimation of remaining backup time in battery mode.
- Timed automatic shutdown of computer servers in battery mode.
- Email notification to predefined lists.



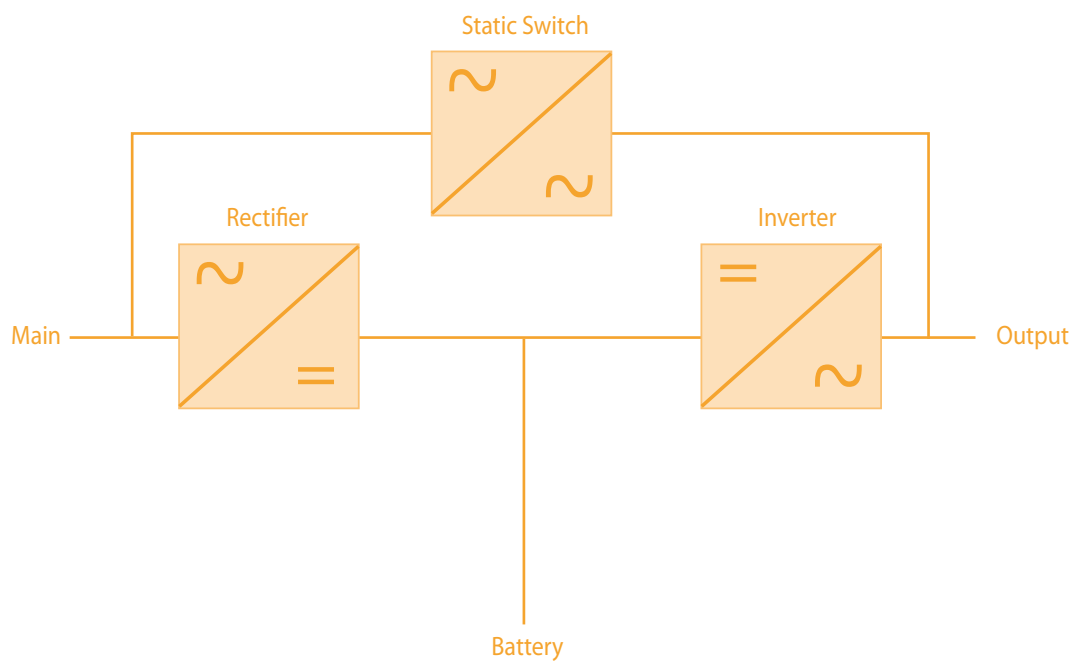
The Centric 208V system controller enhances data center management systems with its unique abilities:

- Built-in flexible connectivity
- Intuitive and intelligent graphic user interface
- Fail-safe (non-critical for UPS operation)
- Hot swappable
- Configurable 8 input and 8 output dry contacts
- Embedded web interface
- SNMP
- RS 232 – SEC
- MODBUS – RS485 and over TCP-IP
- Unlimited servers shutdown
- Unlimited email notifications
- Multi-language interface
- Generator mode
- Data-rich system log



Static Switch and Maintenance Bypass

The static switch is a hot swappable module for fast MTTR.



CENTRIC 208V: TECHNICAL SPECIFICATIONS FOR THE SYSTEM CONTROLLER

Display	LCD flat panel, touch-sensitive
Other indicators	Audible alarm
Analog input channels	8 input dry contacts (N.O. / N.C.)
Real-time clock (RTC)	Yes, with backup
Power meter	kVA, kW, PF
Volt-free outputs (dry contacts)	8 outputs, rated 48 V / 1 A
Output dry contacts	Ac failure Dc failure UPS module(s) failure Load on bypass Battery test failure Over/under temperature Overload (Each system alarm type can be routed to the dry contact of your choice.)
Communication ports	Serial, Ethernet, USB
Communication protocols	RS232, RS485, TCP/IP, SNMP, Modbus
Communications with system modules	Serial, isolated
Events log	2000 events
System operation without controller	Unchanged
On-screen parameters	Load bar-graph 3-phase voltages 3-phase currents Battery voltage Status of each UPS module Static-switch parameters and status Battery sensor temperature
RTC operation without power	Indefinitely

All specifications are subject to change without advance notice.

Centric 208V Technical Specifications

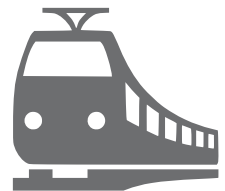
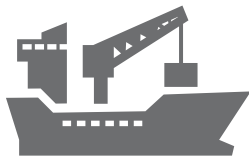
Centric 208V Model	60kVA	160kVA
Topology	True On-line Battery, Double Conversion, VFI	
Construction	Modular parallel hot-plugged modules and STS	
Operation	Continuous	
Power	60kVA/54kW	160kVA/144kW
Input		
Voltage	3x 208 Vac 4 wire + Gnd	
Voltage range	95-135 with derating (Max 62A)	
Current	62A per module – no inrush current at startup	
Frequency	40 Hz–70 Hz	
Power walk-in	Configurable 10 to 60 sec.	
Power Factor	0.99	
THDI	3% @80% load	
Output		
Frequency tracking range	± 0.5,1, 2 ,3 , 4 Hz selectable	
Slew rate	up to 1Hz/sec	
Voltage	3x 208	
Static Regulation	±1 %	
Regulation for unbalanced load	±1 % for 100% unbalanced load	
Dynamic resp. to 100% load step	±2 %	
Overload	up to 125% for 10 minutes	
THD	Less than 2 % for linear nominal load	
Load CF	6:1	
Ac-Ac efficiency (nominal)	Up to 94 %	
Dc-Ac efficiency (nominal)	Up to 97 % at full load	
Ac-Ac efficiency ECO MODE	Up to 99%	
Batteries		
Battery location	internal with option for additional external battery connection	external
Number of batteries	3	8
Quantity	32	
Type	VLRA	
General		
Operation Temp	+14 to +104 °F (-10 to +40 °C)	
Storage Temp	-4 to +140 °F (-20 to +60 °C)	
Relative humidity	95 % max., non-condensing	
Altitude	1500 m without derating	
Enclosure	IP20	
Cooling system	Multi-Fan with speed control (forced)	
Standards		
EMC	FCC part 15/B, IEC 62040-2	
Design classification	IEC 62040-3	
Safety	UL 1778 (4th edition), IEC 62040-1	
Low magnetic field radiation	EMF as per ICNIRP	

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Gamatronic strives to provide reliable and flexible power solutions to ensure optimal efficiency, empowering your business to help you achieve your goals.

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