

ONLINE UPS

RELIABLE POWER BACKUP
FOR SMART INFRASTRUCTURE



VOLTIF SERIES

10 kVA to 200 kVA UPS



Pure Sine
Wave Output



Intelligent
Microprocessor
Control



High Overload
Capacity



Overload & Short
Circuit Protection



Smart LCD
Display

VOLTIF

VOLTIF 10-200 kVA

State-of-the-art technology for a high performance three-phase UPS

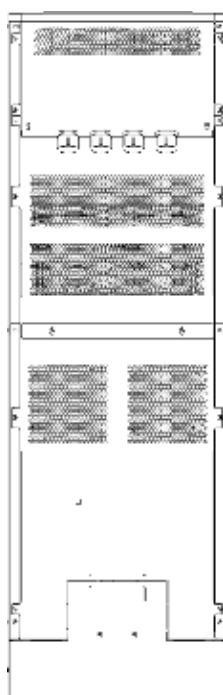
Its power factor of 1 ($kW = kVA$) and easy maintenance reduce system TCO, making Taurus the best choice for data centres.



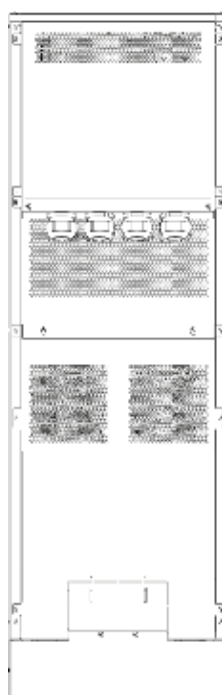
Applications

- Data centres
- Electromedical equipment
- Industrial applications
- Regenerative loads (lifts, cranes, numerically controlled machines, etc.)

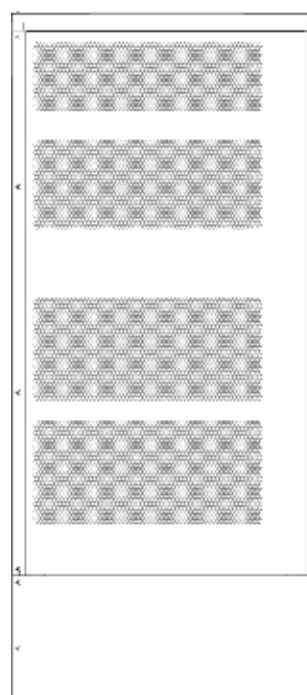
VOLTIF
10/20 kVA



VOLTIF
30/40 kVA



VOLTIF
60/80 kVA



VOLTIF

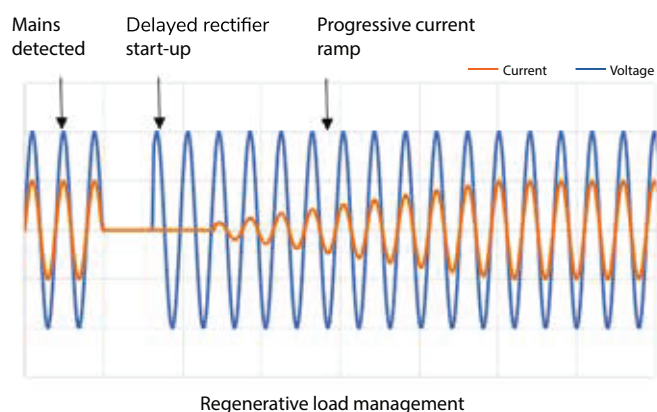
- The patented GLM function can reuse energy regenerated by the loads, ensuring maximum efficiency when managing regenerative loads.
- Optimised footprint for maximum installation versatility.
- Designed to minimise impact on generators and avoid the need for overdimensioning them.
- Power factor of 1 (kW = kVA): maximum active power available for your system at all times.
- Fail-safe: the UPS indicates when the phase sequence is connected incorrectly without interrupting the supply from the inverter to the loads, while keeping the batteries charged.
- Up to 6 units (8 VOLTIF200) can be connected in parallel for power or redundancy.
- The "Energy Saver" function dramatically reduce the facility power and cooling costs..
- Dual input and internal manual bypass.
- High overload capacity across all operating modes.
- High-performance battery charger for fast, efficient battery charging.
- Variable battery configuration can be set from the LCD.
- Compatible with lithium-ion batteries or other technologies.
- Smart battery discharge test without the need for external loads.
- Real-time battery disconnection alarm.
- Cold start (up to 20 kVA standard, up to 80 kVA optional).
- Separate or common batteries that can be configured for parallel systems.
- Wide range of communication options included: two ports as standard (RS232 and USB), programmable dry contacts plus two additional slots for optional cards.
- 10.1" (4.3" VF 10-80 kVA) colour LCD touch screen display for user-friendly interface (14 selectable languages).
- UPS information, settings and log files can be downloaded to a removable SD card.

Key options

- SNMP, RS485, ModBus card.
- Parallel kit.
- Removable internal battery compartments for easy battery maintenance.
- External temperature sensor for a battery cabinet.
- Movable touch panel 7" with 3 programmable dry contacts for remotely monitoring up to 64 units.
- Internal backfeed contactor.



Ideal for generators

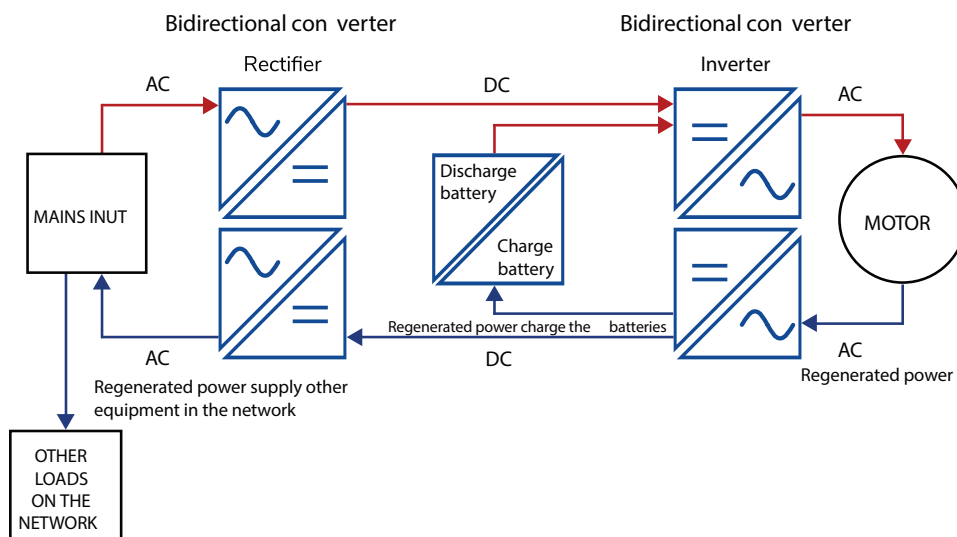


Continuous power supply in the presence of regenerative loads

Traditional UPS systems often fail when faced with energy returning from the load. The VOLTIF UPS, however, ensures a continuous power supply to the protected load even in the presence of regenerative energy.



The problem: many industrial machines, including elevators, are powered by electric motors that frequently start and stop. During deceleration, these motors produce regenerative energy. If unmanaged, this regenerative load can cause over-voltage, damaging critical equipment and reducing the efficiency of industrial operations. Specifically, regenerative energy causes the dc bus to over-voltage in conventional UPS systems, leading them to cease operation.



- Complete solution for regenerative energy management (glm)
Patented solution, easily activated via software, this solution provides comprehensive management of regenerative energy.
- Robust hardware
The bidirectional design of the VOLTIF UPS converters ensures hardware durability.
- Eco-friendly
Reuse up to 90% of the energy produced by regenerative loads.
- No oversizing needed
No need to oversize UPS power or battery capacity. The battery voltage remains controlled, and the load stays protected.

VOLTIF TECHNICAL DATA SHEET

MODEL		VOLTIF 10kVA	VOLTIF 20kVA	VOLTIF 30kVA	VOLTIF 40kVA	VOLTIF 60kVA	VOLTIF 80kVA
POWER	KVA	10	20	30	40	60	80
	KW	10	20	30	40	60	80
INPUT	Rated voltage	380/400/415 Vac three-phase with neutral					
	Voltage tolerance	±20%					
	Rated frequency	40 – 70 Hz					
	Power factor	≥0.99					
	Current distortion (THDi)	<3%					
OUTPUT	Rated voltage	380/400/415 V three-phase with neutral					
	Voltage stability	±1% (static load)					
	Frequency	50/60 Hz					
	Frequency stability	±0.01% (free running)					
	Power factor	1					
	Crest factor	3:1					
	Voltage distortion	<1% with linear load, <3% with distorting load					
	Permissible overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute, >150% and <300 for 3 seconds					
BATTERY	Number per string (batt 12V)	26 – 40 conf.	32 – 40 configurable				
	Max charging current *	10 A	21 A	30 A	39 A	60 A	78 A
	Common battery for parallel configuration	Supported					
	Internal battery (optional)	Up to 80 12 V 7/9 Ah battery blocks					N.A.
EFFICIENCY	VFI mode	Up to 96%					
	ECO mode	Up to 98%					
BYPASS	Rated voltage	380/400/415 V three-phase + neutral					
	Voltage tolerance	±5% – ±25% (programmable alarm)					
	Frequency	50/60 Hz					
	Frequency tolerance	±1 Hz/±3 Hz (selectable)					
GENERAL	Dimensions (WxDxH) mm	440x860x1390				600x827x1300	
	Weight (kg)	84	86	130	132	200	210
	Protection class	IP20					
	Cold start from the battery without mains power	Included			Optional		
	Parallel connection	Up to 6 units					
CONNECTIVITY	User interface	4.3 " colour LCD touch screen display with removable SD card					
	Built-in communication ports	USB, RS232, EPO, 1 in/3 out dry relay contacts (programmable) and additional slots for optional cards					
	Optional accessories	Cards: SNMP, RS485, ModBus, 6 in/6 out dry relay contacts (programmable), touch panel for remote monitoring of up to 64 units					
ENVIRONMENTAL PARAMETERS	Operating temperature**	0 – 40°C					
	Relative humidity	0 – 95% (without condensing)					
	Altitude (a.s.l.)	<1000 m with no power derating, >1000 m with 0.5% derating for every 100 m.					
	Audible noise at 1 m.	<52 dBA			<55 dBA		<60 dBA
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3					
	Marking	CE, UKCA					

* Subject to conditions ** To be verified according to the battery parameters

VOLTIF TECHNICAL DATA SHEET

MODEL		VOLTIF160kVA	VOLTIF200kVA
POWER	KVA	160	200
	KW	160	200
INPUT	Rated voltage	380/400/415 Vac three-phase with neutral	
	Voltage tolerance	±20%	
	Rated frequency	40–70 Hz	
	Power factor	≥0.99	
	Current distortion (THDi)	<3%	
OUTPUT	Rated voltage	380/400/415 V three-phase with neutral	
	Voltage stability	±1% (static load)	
	Frequency	50/60 Hz	
	Frequency stability	±0.01% (free running)	
	Power factor	1	
	Crest factor	3:1	
	Voltage distortion	<1% with linear load, <3% with distorting load	
	Overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute, >150% for 30 seconds	
BATTERY	Number per string (batt 12V)	36–43 configurable	
	Max charging current *	100 A	
	Common battery for parallel configuration	Supported	
	Internal battery (optional)	N.A.	
EFFICIENCY	VFI mode	Up to 96%	
	ECO mode	Up to 98%	
BYPASS	Rated voltage	380/400/415 V three-phase + neutral	
	Voltage tolerance	±20% (programmable alarm)	
	Frequency	50/60 Hz	
	Frequency tolerance	±1 Hz/±3 Hz (selectable)	
GENERAL	Dimensions (WxDxH) mm	800x800x1955	
	Weight (kg)	480	
	Protection class	IP20	
	Parallel connection	Up to 8 units	
CONNECTIVITY	User interface	10.1" colour LCD touch screen display with removable SD card	
	Built-in communication ports	USB, RS232, EPO, and additional slots for optional cards	
	Optional accessories	Cards: SNMP, RS-485 ModBus, 4 in/4 out dry relay contacts (programmable)	
ENVIRONMENTAL PARAMETERS	Operating temperature**	0-40°C	
	Relative humidity	0–95% (non-condensing)	
	Altitude (a.s.l.)	<1000 m without power derating, >1000 with 1% derating every 100 m	
	Audible noise at 1 m.	≤81dB	
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3	
	Marking	CE, UKCA	

* Subject to conditions ** To be verified according to the battery parameters