

Optional Built-in
Galvanic Isolation Transformer

KRONOS Plus

Technology,
performance and
value for money in the
smallest footprint



KRONOS Plus
10 to 40kVA

10kVA ~ 40kVA

The new KRONOS Plus is a monolithic transformerless UPS designed for next-gen mid-size critical applications. Featuring rated output factor of 1.0, it delivers maximum power availability without sacrificing the space, and providing continuous power protection seamlessly in multiple applications and infrastructure.

Features

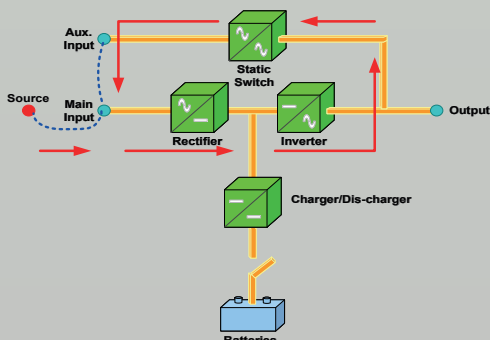
- Utilizing 3-level IGBT topology achieves high power density performance while minimizing the footprint of the UPS system
- High efficiency at low load condition, efficiency is above 90% from 25% load complying to the CEMEP Efficiency % graph
- Built-in high current battery charger
- 4 poles manual bypass and Breakers
- THDi <3% for a minimized grid impact
- High overload capability up to 1 minute @150%
- Generator compatibility with ramp up configurable in power and time delay
- Cold start function included for optimum start up without main supply
- Automated burn-in test function included to validate the operational performance of the UPS
- Optional internal backfeed protection provide easy installation without additional cost in UPS supply switchboard
- Install up to 40 x 9Ah internal battery for Kronos 10/15/20kVA UPS
- Wide range of battery number per string from 32pcs to 40pcs configurable
- Parallelable up to 6 units to achieve power scalability or redundancy
- Standard separate or common batteries for parallel systems
- Front and side access for ease of maintenance
- Standard Coloured LCD Touch Screen Panel for quick and user friendly operation
- Logfile, UPS information and settings easily downloadable on removable SD card from LCD, to simplify service operations
- Wide communication offer as a standard: two com slots, RS232, USB, programmable dry contacts

Options

- Built-in Galvanic Isolation Transformer (*overall dimension will be increased)
- Built-in Galvanic Isolation Transformer with Internal battery for Kronos 10/15/20kVA UPS (*overall dimension will be increased)
- Internal backfeed protection
- SNMP, RS485, Modbus boards
- External temperature sensor
- Parallel Function kit

Automated Burn-In Test

With the ability to perform a full load test and/or full battery discharge test without the connection of an external load bank. The Kronos UPS is programmed to process power in a re-circulating loop using its rectifier and inverter as an internal load bank.



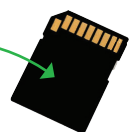
Settings Easily Downloadable on SD Card



Settings & information



LCD Touch Screen Panel



Removable SD card

Discover More



Technical Specifications

Model		KRONOS PLUS 10	KRONOS PLUS 15	KRONOS PLUS 20	KRONOS PLUS 30	KRONOS PLUS 40
Input	Voltage	400V 3-phase + N				
	Voltage Tolerance	±20% @100% load				
	Frequency	40~70Hz				
	Power Factor	≥ 0.99				
	THDi	<3%				
Output	Voltage	3/3	380/400/415V 3-phase + N			
	Voltage	3/1	220V/230V/240V 1-phase + N		Not Applicable	
	Voltage Tolerance		±5%~±25% (programmable)			
	Power Factor	3/3	1.0			
	Power Factor	3/1	0.9	Not Applicable		
	Frequency		50/60Hz			
	Frequency Tolerance		±0.01% (free running)			
	Crest Factor		3:1			
	Voltage Harmonic Distortion		<2% with linear load; ≤5% with distorting load			
	Overload		110% for 60 minutes, 125% for 10 minutes, 150% for 1 minutes			
Battery	Number of Batteries	32~40pcs configurable				
	Charging current depending on load %	3.5A~10A	7A~21A		10A~30A	13A~39A
	Common Battery	Yes				
	Internal Batteries	Yes, up to 40 blocks of 12V/7AH or 12V/9AH			No, connects to External Battery Bank	
Option	Isolation Transformer	Optional Built-in Galvanic Isolation Transformer available on request				
	Dimension with Transformer (WxHxD, mm)	436x1500x850 (with wheel)				
Efficiency	VFI Mode	>94%	>94.5%		>95%	>95.5%
	ECO Mode	>99%				
General	Parallel	Up to 6 units				
	Dimensions (WxHxD, mm)	260x890x850 (with wheel)				
	Weight (without Battery, Kg)	74	76	85	88	
	Protection Grade	IP20				
	Display and MMI	4.3" Coloured LCD Touch Screen Panel				
	Built-in Communication Port	RS232, USB, EPO, Dry Contact				
	Optional Communication	2 communication slots for SNMP card, RS-485 modbus card, Dry contact card				
Environment	Operation Temperature	0~40°C				
	Operation Humidity	0%~95% (without condensing)				
	Standards & Marks	IEC EN 62040-1, IEC EN 62040-2 ; CE				
	Noise	<52dBA @ 1 meter			<55dBA @ 1 meter	

Specifications subject to change without notice

