

KRONOS PLUS

TECHNOLOGY, PERFORMANCE AND VALUE FOR MONEY IN THE SMALLEST FOOTPRINT

NEW Front Face Design
KRONOS PLUS 10 to 40kVA 3/3

Optional Built-in Galvanic
Isolation Transformer

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.



PERFECT FOR:



Small datacenter



Telecom



Healthcare



Industry

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 10/20kVA 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

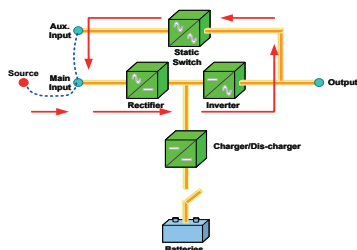
OPTIONS



- Built-in Galvanic Isolation Transformer (*overall dimension will be increase)
- Built-in Galvanic Isolation Transformer with Internal battery for Kronos 10/20kVA UPS (*overall dimension will be increase)
- 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.



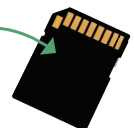
SETTINGS EASILY DOWNLOADABLE ON SD CARD



Settings
& informations



LCD Touch Screen
Panel



Removable
SD card

SPECIFICATIONS

MODEL		KRONOS PLUS 10		KRONOS PLUS 20		KRONOS PLUS 30		KRONOS PLUS 40	
INPUT	Voltage	400V 3phase + N							
	Voltage Tolerance	±20% @100% load							
	Frequency	40~70Hz							
	Power Factor	≥ 0.99							
	THDi	<3%							
OUTPUT	Voltage	380/400/415V 3phase + N							
	Voltage Tolerance	±5%~±25% (programmable)							
	Power Factor	1.0							
	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)							
	Isolation Transformer with Internal Battery	Optional Built-in Galvanic Isolation Transformer with Internal Battery (up to 40 blocks of 12V/7AH or 12V/9AH)				No, connects to External Battery Bank			
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