KRONOS

TECHNOLOGY, PERFORMANCE AND VALUE FOR MONEY IN THE SMALLEST FOOTPRINT

Ablerex
every moment counts

KRONOS 30
KRONOS 40

KRONOS 10
KRONOS 20

Optional Built-in Galvanic Isolation Transformer

10kVA ~ 40kVA

The new KRONOS is a monolithic transformerless designed UPS for both IT installations and other mission critical applications. Its improved design reduces its footprint to a minimum and high power density providing continuous power protection with optimized internal runtime in a standalone solution.

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 whtout 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 28pcs to 40pcs configurable
- Optional Galvanic Isolation Transformer available for isolated neutral and critical environment application.
- 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 LCD Mimic Panel or Optional Coloured LCD Touch Screen Panel for quick and user friendly operation
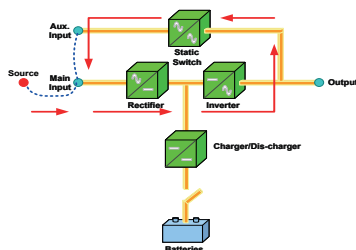
OPTIONS

- Galvanic Isolation Transformer (*overall dimension will be increase)
- Coloured LCD Touch Screen Panel
- Internal backfeed protection
- SNMP, RS485, Modbus boards
- External temperature sensor
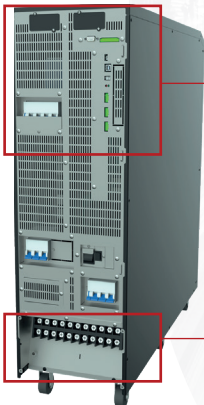- Parallel Function kit

AUTOMATED BURN-IN TEST

With the ability to performa full load test and/or full battery discharge test without the connection of a 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 10	KRONOS 20	KRONOS 30	KRONOS 40
INPUT	Voltage	400V 3phase + N			
	Voltage Tolerance	±20% @100% load			
	Frequency	45~70Hz			
	Power Factor	≥ 0.99			
	THDi	<3%			
OUTPUT	Voltage	380/400/415V 3phase + N			
	Voltage Tolerance	±5%~±25% (programmable)			
	Power Factor	0.9			
	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	28~40pcs configurable	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			
EFFICIENCY	VFI Mode	>94%		>95%	
	ECO Mode	>98%			
GENERAL	Parallel	Up to 6 units			
	Dimensions (WxHxD, mm)	260x890x850 (with wheel)			
	Weight (kg)	74	76	85	88
	Protection Grade	IP20			
	Display and MMI	Standard: LCD Mimic Panel (Optional: 4.3" color LCD touch screen)			
	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	IEC EN 62040-1, IEC EN 62040-2			
	Mark	CE			
	Noise	<52dBA @ 1 meter			
OUTLOOK	Rear Panel				

Communication cables connection

Power cables connection

Communication cables connection

Power cables connection

Specifications subject to change without notice

Designed & Engineered by: