

Kronos

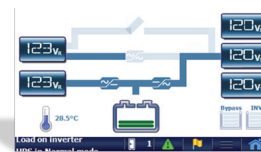
3 Phase Online UPS

HIGH PERFORMANCE, SMALL FOOTPRINT



Highlights:

- Three-level IGBT technology.
- High input power factor > 0.99
- Low harmonic level at input < 3%
- Output power factor 0.9
- Advanced Operation Touch screen
- Up to 6 units in Parallel - N+1 Redundancy
- Flexible Battery Configuration.
- Built-in High Capacity Battery Charger
- Strong Overload Capacity
- Dual Input Mains and Manual bypass
- DC Cold Start Function
- Regenerative Loads Applications
- Auto testing without real load
- Programmable soft start for power walk-in



The Kronos provides a better output power with high end performance and efficiency for mission critical solutions. Its perfect for Small Data Centers and Medical equipments.



HEALTHCARE



INDUSTRY



NETWORKING



SMALL
DATACENTERS



CRITICAL
LOADS

Kronos

TECHNOLOGY, PERFORMANCE
AND VALUE FOR MONEY WITH
THE SMALLEST FOOTPRINT



10kVA ~ 40kVA

Thanks to its reduced footprint, Kronos is the optimum choice when the available space is limited. Moreover, the included features meet the needs of the majority of IT installations with a very positive value-for-money.

PERFECT FOR:



Small datacenter



Telecom



Healthcare



Industry

FEATURES



- The smallest footprint of its category: 0,22m² for 20kVA with 40x9Ah internal batteries
- Up to 95% efficiency in online mode
- Built-in high current battery charger (10kVA with up to 7A standard charger)
- 4 poles manual bypass and Breakers
- Easy maintenance thanks to the vertical boards
- Generator compatibility with ramp up configurable in power and time delay
- Wrong phase sequence rotation protection
- THDi <3% for a minimized grid impact
- High overload capability up to 1 minute @150%
- Cold start function included
- Logfile, UPS information and settings easily downloadable on removable SD card from LCD, to simplify service operations
- Up to 40 x 9Ah internal battery
- Wide range of battery number per string from 26 to 40 LCD settable
- Parallelable up to 6 units, in power or redundancy, LCD settable
- Standard separate or common batteries for parallel systems
- Touch screen colour LCD display for quick and user-friendly operation (14 selectable languages)
- Wide communication offer as a standard: two intelligent slots, RS232, USB, programmable dry contacts

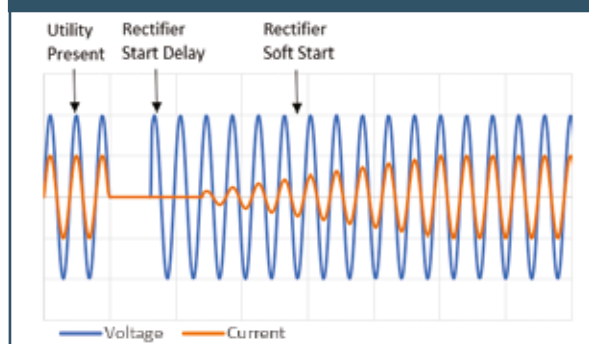
OPTIONS



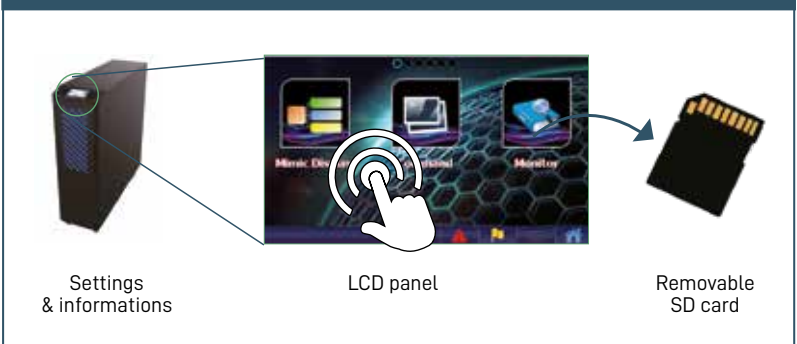
- SNMP, RS485, Modbus boards
- External temperature sensor
- Parallel kit
- Remote Touch Panel suitable to monitor up to 64 units with 3 prog. build-in Output Dry Contacts



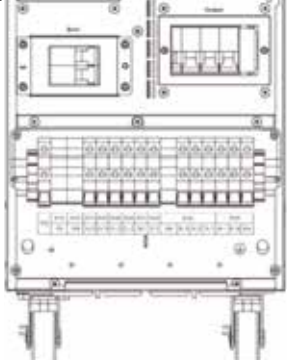
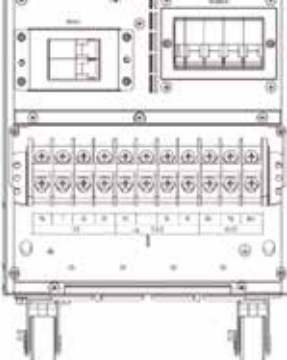
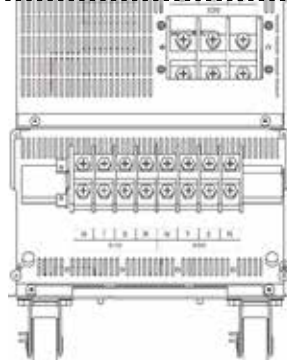
GENERATOR COMPATIBILITY



SETTINGS EASILY DOWNLOADABLE ON SD CARD



SPECIFICATIONS

MODEL		KR10 KVA 3/3_3/1	KR15 KVA 3/3_3/1	KR20 KVA 3/3_3/1	10 KVA 3/3	15 KVA 3/3	20 KVA 3/3	30 KVA 3/3	40 KVA 3/3
INPUT	Voltage	400V 3 Phase + N							
	Voltage Tolerance	±20% @100% load, -40% ~-20% @50% load							
	Frequency	40 ~ 70Hz							
	Power Factor	≥ 0.99							
THDi	3/1	≤ 5% @100% load			≤ 3% @100% load				
	3/3	≤ 3% @100% load							
OUTPUT	Voltage	3/1	220/230/240V 1Phase + N		380/400/415V 3 Phase + N				
		3/3	380/400/415V 3Phase + N						
	Voltage Tolerance	±1% (Static Load)							
	Frequency	50/60Hz							
	Frequency Tolerance	±0.01% (free running)							
	Power Factor	0.9							
	Crest Factor	3:1							
	Voltage Harmonic Distortion	≤ 2% with linear load; ≤ 5% with distorting load							
BATTERY	Overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1minutes							
	Number of batteries	26-40pcs configurable (Please check with your technical reference)							
	Charging Current MAX	10A	15A	21A	10A	15A	21A	30A	39A
	Common Battery for Parallel Configuration	Yes							
Internal Battery	Available for housing 9AH 40pcs							N.A.	
EFFICIENCY	VFI Mode	Up to 95%							
	ECO Mode	> 98%							
	Backup	Up to 94%							
GENERAL	Parallel	Up to 6 units (optional)							
	Dimensions (WxHxD, mm)	260x890x850 (with wheel)							
	Weight (kg)	74Kg	76 kg	76 kg	74 kg	76 kg	76 kg	85 kg	88 kg
	Protection Grade	IP20							
	Display and MMI	4.3" Colorful LCD Touch Screen							
	Built-in Communication Port	RS232, USB, EPO, Dry Contact, 1IN + 3OUT							
	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% (w/o condensation)							
	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN62040-3							
	Mark	CE							
	Noise	<52dBA @ 1 meter					<55dBA @ 1 meter		
BACK PANEL	Power cables connections								
									
	10-15-20kVA dual input			10-15-20kVA single input			30-40kVA single input		

Specifications subject to change without notice