

# 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: 0,22m<sup>2</sup> 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

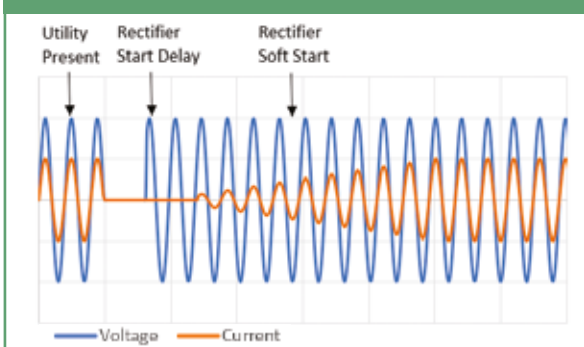
## OPTIONS



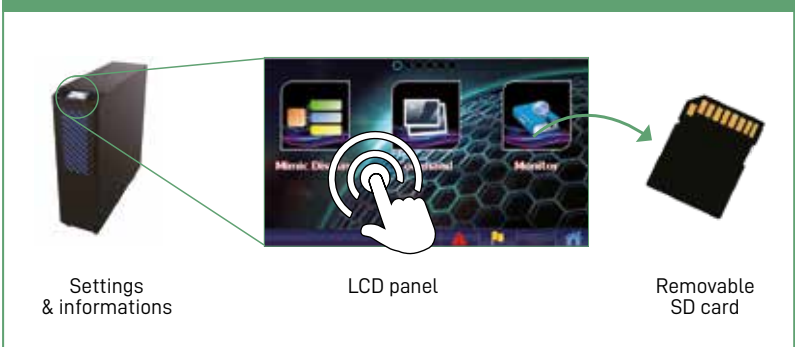
- SNMP, RS485, Modbus boards
- External temperature sensor
- Parallel kit
- Remote Touch Panel suitable to monitor up to 64 units with 3 prog. build-in Output Dry Contacts



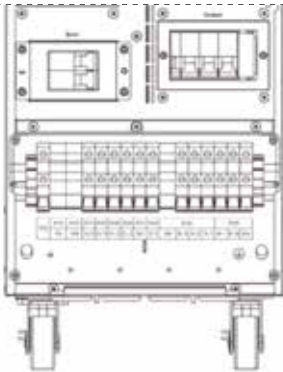
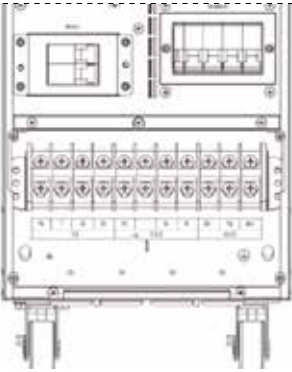
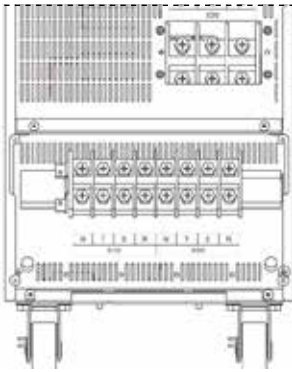
## GENERATOR COMPATIBILITY



## 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			