

Kronos **3 Phase Online UPS**

HIGH PERFORMANCE.SMALL FOORPRINT

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.
- Builtin 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

		120v.	Output	: <	(****		
123v.				R	5	J T	Total
IC DVR	24/2	120v.	Load Rate(%)	52	34	17	
		100 Vs	Voltage(V)	120.2	120.2	120.9	
			Current(A)	57.3	37.9	18.7	
123v.	~//~		Power(KW)	6.9	4.6	2.3	13.7
IC DVR		120v	Power(KVA)	6.9	4.6	2.3	13.7
	-		Power Factor	1	1	1	
0	ولاتك طائلي	Bypass INV		R-S	S-T	T-R	
28.5°C			Voltage(V)	208.1	208.1	208.7	
			Frequency(Hz	60.1			

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.





SMALL DATACENTERS

HEALTHCARE



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:



Telecom

Healthcare

Industry

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В

FEATURES

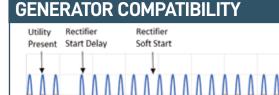
- The smallest footprint of its category: 0,22m² for 20kVA with 40x9Ah internal batteries
- Up to 95% efficiency in online mode
- Built-in high current battery charger (10kVA with up to 7A standard charger)
- 4 poles manual bypass and Breakers
- Easy maintenance thanks to the vertical boards
- Generator 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





Current

SETTINGS EASILY DOWNLOADABLE ON SD CARD



Voltage

SPECIFICATIONS

INPUT 4007 3 Phase + N Voltage Telenope +20% @000k1ood.49%2%% @000k1ood Prequency -20% @000k1ood 3/1 c.5% @000k1ood 3/2 c.5% @000k1ood 3/3 c.5% @000k1ood 3/1 c.5% @000k1ood 3/1 220/230/240/1Phase - N 3/1 220/230/240/1Phase - N 3/1 220/230/240/1Phase - N 3/1 3/80/400/459/3Phose + N Voltage Telerance	MODEL		KR10 KV 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	
Impute Impute<		Voltage	400V 3 Phase + N								
INPUT 0 <td rowspan="5">INPUT</td> <td>Voltage Tolerance</td> <td colspan="8">±20% @100% load, -40% ~-20% @50% load</td>	INPUT	Voltage Tolerance	±20% @100% load, -40% ~-20% @50% load								
Prover Factor 2.71 s 5% (g)10% load s 3% (g)10% load 140 3.73 5.3% (g)10% load s 3% (g)10% load s 3% (g)10% load 1700 3.73 220/230/240/ Phase + N 380/400/415V 3 Phase + N 380/400/415V 3 Phase + N 1700 3.73 380/400/415V 3 Phase + N 380/400/415V 3 Phase + N 380/400/415V 3 Phase + N 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 30A 1 1700 <td>Frequency</td> <td colspan="7">40 ~ 70Hz</td> <td></td>		Frequency	40 ~ 70Hz								
Initial Internal 		Power Factor		≥ 0.99							
Image: control in the state of the		THDi							ad		
Voltage3/3380/400/415V 3Phase + N380/400/415V 3Phase + NVoltage Tolerance±1% (Static Load)Frequency Tolerance50/401/2Prequency Tolerance2.017% (Fee running)Power Factor0.9Crest Factor3.1Voltage Harmonic Distortion			3/3 ≤ 3% @100% load								
Votigge Toterance 1%% (Static Load) Frequency Static Load) Prequency Tolerance Static Load) Prower Factor 0.9 Creat Factor 3.1 Voltage Terminic Distortion 2%9 with lineer load, 5%9 with distorting lead Overload 10% for 60 minutes, 15% for 10 minute		Voltage	380/400/415V 3 Phase + N								
Prequency Frequency Tolarance		Valtaga Talayanaa									
OUTPUT Frequency Tolerance Image: Image											
OUTYON Power Factor 0.9 Crest Factor 3:1 Voltage Harmonic Distortion = 25% with linear Load; = 59% with distorting load Overload 100% for 60 minutes, 150% for 10 minutes,											
Image: Instrument or equation of the second of the seco	OUTPUT										
Voltage Harmonic Distortion											
Image: Provision of the strate of the str											
Number of batteries 26-40pcs configurable (Please check with your technical reference) Charging Current MAX 10A 15A 21A 10A 15A 21A 30A 5 Common Battery for Parallel		Voltage Harmonic Distortion	e Harmonic Distortion ≤ 2% with linear load; ≤ 5% with distorting load								
BATTERY Charaging Current MAX 10A 15A 21A 10A 15A 21A 30A 30A BATTERY Charging Current MAX 10A 15A 21A 10A 15A 21A 30A 30A<		Overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1minutes								
BATTERY Common Battery for Parallel Configuration Internal Battery Available for housing 9AH 40pcs NA. Internal Battery VFI Mode Up to 95% NA. EFFICIENCY ECO Mode >98% NA. Backup Up to 95% VFI Mode NA. Backup Up to 94% VFI Mode VFI Mode NA. Backup Up to 94% VFI Mode VFI Mode VFI Mode NA. Backup Up to 94% VFI Mode V		Number of batteries		26-	40pcs configur	able (Please c	heck with you	r technical refer	ence)		
Common Battery Jean Internal Battery Available for housing 9AH 40pcs NA. Internal Battery UP to 95% NA. EFFICIENCY ECO Mode	BATTERY	Charging Current MAX	10A	15A	21A	10A	15A	21A	30A	39A	
VFI Mode Up to 95% EFFICIENCY ECO Mode > 98% Backup Up to 94% Parallel Up to 6 units (optional) Dimensions (WxHxD, mm) 260x890x850 (with wheel) GENERAL Weight (kg) 74 Kg 76 kg 76 kg 76 kg 85 kg 88 Protection Grade IP20 IP20 IP20 88 98 88 98 98 98 98		Common Battery for Parallel Configuration	Yes								
EFFICIENCY ECO Mode >>98% Backup Up to 94% Parallel Up to 6 units (optional) Dimensions (WXHXD, mm)		Internal Battery		Available for housing 9AH 40pcs N.A.						I.A.	
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Bimensions (WxHxD, mm) 260x890x80 74 kg 76 kg 76 kg 76 kg 76 kg 76 kg 85 kg 88 Protection Grade Protection Grade IP20		Backup	Up to 94%								
GENERAL Weight (kg) 74Kg 76 kg 85 kg 88 Protection Grade Protection Grade IP20 IP200<		Parallel	Up to 6 units (optional)								
GENERAL Protection Grade IP20 Display and MMI 4.3" Colorful LCD Touch Screen Built-in Communication Port RS232, USB, EPO, Dry Contact, 1IN + 30UT Optional Communication 2 communication slots for SNMP card, RS-485 modbus card, Dry contact card Operation Temperature 0 - 40°C Operation Humidity 0 - 95% (w/o condensation) ENVIRONMENT Standards Mark CE Noise <52dBA @ 1 meter		Dimensions (WxHxD, mm)	260x890x850 (with				0 (with wheel)	י wheel)			
Protection Grade IP20 Display and MMI 4.3° Colorful LCD Touch Screen Built-in Communication Port RS232, USB, EPO, Dry Contact, 1IN + 30UT Optional Communication 2 communication slots for SNMP card, RS-485 modbus card, Dry contact card 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 <55dBA @ 1 meter		Weight (kg)	74Kg	76 kg	76 kg	74 kg	76 kg	76 kg 8	5 kg	88 kg	
Built-in Communication Port RS232, USB, EPO, Dry Contact, 1IN + 30UT Optional Communication 2 communication slots for SNMP card, RS-485 modbus card, Dry contact card Operation Temperature 0 ~ 40 °C Operation Humidity 0 ~ 95% (w/o condensation) ENVIRONMENT Standards Mark CE Noise <52dBA @ 1 meter	GENERAL	Protection Grade					P20	I			
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Noise <52dBA @ 1 meter <55dBA @ 1 meter Power cables connections											
BACK PANEL		Mark					CE				
		Noise		<5	i2dBA @ 1 mete	r		<[55dBA @ 1 mete	r	
	BACK PANEL										

 ${\it Specifications}\ {\it subject}\ to\ {\it change}\ without\ notice$

