

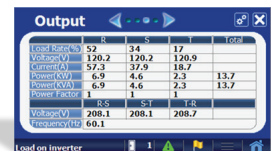
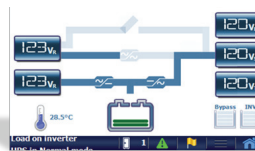
Kronos

3 Phase Online UPS

CUTTING EDGE TECHNOLOGY FOR HIGH -
PERFORMANCE 3PHASE ON LINE UPS

Highlights:

- Three-level IGBT technology.
- High input power factor > 0.99
- Low harmonic level at input < 3%
- Output power factor 0.9
- Up to 6 units in Parallel - N+1 Redundancy
- Flexible battery configuration.
- Separate or common batteries for redundancy
- High capacity battery charger
- Strong Overload Capacity
- Dual Input Mains and built-in Manual bypass
- DC Cold Start Function
- Advanced operation interface. Touch screen.
- Regenerative Loads Applications
- Auto testing under different loads conditions without real load
- Programmable soft start for power walk-in rectifier



The Kronos 3-Phase provides a better output power with high performance and efficiency for mission critical solutions. Perfect for Small Data Centers and Medical equipment.



HEALTHCARE



INDUSTRY



NETWORKING



SMALL
DATACENTERS



CRITICAL
LOADS

Kronos 400v Series Specifications



MODEL		KRONOS-10S	KRONOS-20S	KRONOS-30S	KRONOS-40S
Capacity	kVA / kW	10kVA /9kW	20kVA /18kW	30kVA /27kW	40kVA /36kW
Input	Voltage	400V LL 3 phases + N			
	Voltage Tolerance	±20% @ 100% load -40~-20% @ 50% load			
	Frequency Range	40~70 Hz			
	Power Factor	≥ 0.99 @ 100% load			
	THDi	≤3% @100% load			
Output	Voltage	380/400/415 3 Phase + N			
	Voltage Tolerance	± 1% (Static Load)			
	Frequency	50/60 Hz			
	Frequency Tolerance	±0.01% (free running)			
	Power Factor	1.0			
	Crest Factor	3:1			
	Voltage Harmonic Distortion	≤2% THD (with linear load) / ≤5% THD (with distorting load)			
	Overload	>110% for 60 minutes, 125% for 10 minutes, 150% for 1minute (<105% overload continuously without alarm, ≥105% <110% continuously with alarm)			
	Parallel Functionality	Up to 6 units in parallel (N+1 Supported)			
Bypass	Voltage	380/400/415V 3 Phase + N			
	Voltage Tolerance	Preventive range ±10% (Adjustable ±5% ~ ±15%)			
		Critical range ±25% (Adjustable ±16% ~ ±30%)			
	Frequency	50/60Hz			
Frequency Tolerance	±1Hz / ±3Hz (Selectable)				
Battery	Number of Batteries	12V,26/28/30/32/34/36 38/40 pcs configurable	12V,32/34/36/38/40 pcs configurable		
	Charger with UPS 100% load	3.5 Amp.	7 Amp.	10 Amp.	13 Amp.
	Charger with UPS 60% load	10 Amp.	21 Amp.	30 Amp.	39 Amp.
	Commun Battery for Parallel	Supports battery in common for parallel Configurations			
	Internal Batteries	26 pcs 12V 7AH maximun 40 pcs.	40 pcs. 12V 9AH	N.A.	
Efficiency Maximum	VFI Mode	93.5%	94.5%	95%	95%
	ECO Mode	98%			
	Backup Mode	92%	93%	94%	94%
HMI & Communications	Display and MMI	LCD			
	Built-in Communication Port	RS-232, EPO, Dry Contacts			
	Optional Communication	2 Communication Slots for SNMP Card, RS-485 MODBUS Card, Dry Contact Card			
Mechanical characteristics	Dimensions (W x D x H) mm	260 x 850 x 890			
	Weight	112 Kg	176 Kg	85 Kg	88 Kg
	Protection Grade	IP20			
	Color	RAL 9005			
Environmental	Operation Humidity	0~40°C 20~25°C(Recommended for optimum battery performance; Battery life is halved for every 10°C increase above 25°C)			
	Operation Humidity	0~95% (w/o condensation)			
	Altitude	<3000 m.			
	Noise (at 1 meter)	<52dBA		<58dBA	
Storage	Temperature	-20 ~ 70 °C (UPS w/o battery)		-15 ~ 40 °C (UPS with battery)	
	Humidity	≤95%			
Certifications and standards	Security	LVD : EN62040-1			
	EMC	EMC requirements : EN62040-2			
	Marks	CE			

*Specifications are subject to change without notice.

