

Kronos



Highlights:

- Three-level IGBT technology.
- High input power factor > 0.99
- Low harmonic level at input < 3%
- Output power factor 1.0
- 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 Kronos3-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

Specifications

MODEL		KRONOS-UL10D	KRONOS-UL15D	KRONOS-UL20D	KRONOS-UL30D	KRONOS-UL40D
Capacity		10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW
Input	Nominal Voltage	120/208 -127/220 VAC P-P 3Ph+N+G				
	Voltage Range	±25% @100% load; -40~-20% @50% load				
	Frequency Range	40~70 Hz				
	Power Factor	≥ 0.99 @ 100% load				
	THDi	<3% @100% load				
Output	Nominal Voltage	120/208 -127/220 VAC P-P 3Ph+N+G				
	Voltage Regulation	± 1% (static load)				
	Frequency	50/60 Hz				
	Frequency Range	±0.01%(free-running)				
	Power Factor	1.0				
	Crest Factor	3:1				
	Harmonic Distortion	≤1% THD (linear load) / ≤3% THD (non-linear load)				
	Overload	<110% Continuous; >110% 60 min.; 125% 10 min.; 150% 1 min. (<105% continuous overload without alarms; >= 105%<110% continuous with alarms)				
	Parallel Function	Up to 6 units in parallel (N+1 Function)				
Bypass	Type and Voltage	Automatic, 208/220 VAC; 3F + N + G				
	Voltage Range	Preventive Range ± 10% (adjustable ± 5% ~ ± 15%) Critical Range ± 25% (adjustable ± 16% ~ ± 30%)				
	Frequency	50/60Hz				
	Frequency Range	±1Hz / ±3Hz (Selectable)				
Batteries	Battery Quantity	12 VDC, 16/18/20 pcs. configurable				
	Charger @ 100% load	3.5 Amp.	5 Amp.	7 Amp.	10 Amp.	13 Amp.
	Maximum Charger Current	10 Amp.	15 Amp.	21 Amp.	30 Amp.	39 Amp.
	Common Battery (parallel)	Supports Common Battery for Parallel Applications				
	Internal Batteries	Ready to use 20*2 strings of 12V7/9AH	Ready to use 20 *3 strings 12V 7/9/10 AH		Requires External Battery Cabinets; Multiple options available	
Maximum Efficiency	Normal Mode	93.5%	94%	94.5%		
	ECO Mode	98%				
	Battery Mode	92.5%	93.5%			
HMI & Communication	Interface & MMI	Color LCD Touchscreen				
	Communication Ports	RS232, USB, EPO, Dry Contact				
	Optional Communications	2 Communication Slots. SNMP network cards, RS-485 Modbus card, Dry Contacts Card				
Mechanical Features	Dimensions W x D x H mm	260 x 850 x 890	410 x 850 x 977		410 x 850 x 1200	
	Weight w/o Batteries	76 Kg/186 Lb.	105 Kg / 231 Lb.	115 Kg / 253 Lb.	155 Kg / 341 Lb.	160 Kg / 352 Lb.
	Protection Level	IP20				
	Color	RAL9005				
Environmental	Operation Temperature	0~40°C; 20 ~ 25 °C (recommended for optimal battery performance; battery lifespan reduces by half for each increase of 10°C above 25 °C)				
	Operation Humidity	0~95% (no condensation)				
	Elevation	<3000 m.				
	Noise	<55 dBA			<60 dBA	
Storage	Temperature	-20 ~ 70 °C (UPS w/o batteries); -15 ~ 40 °C (UPS with batteries)				
	Humidity	≤95%				
Certifications & Standards	Safety	UL 1778 (CSA C22.2 NO.107.3) 5th, 2017 Edition				
	EMC	FCC15B, class A				
	Markings	CE				

*Specifications are subject to change without prior notice.

