

ONLINE DOUBLE CONVERSION WITH INBUILT ISOLATION TRANSFORMER



Features

Advantages

Benefits

<ul style="list-style-type: none"> Wide input voltage range (285 ~ 475 Vac) Settable delayed start & Rectifier soft star function Intelligent self diagnosing function Static bypass mode for Auto switch over during UPS fault Low MTTR <0.5 	<ul style="list-style-type: none"> Maximizes Mains Mode function, reduces Battery usage, extends Battery life Prevents Generator Overload due to starting inrush current Quick resolution for high TAT Seamless transfer, uninterrupted uptime Higher uptime enhances system availability for critical application 	<p>High Uptime / Availability</p>
<ul style="list-style-type: none"> Frequency range (50 ~ 60 Hz ± 5Hz) Multiple Functions settable Battery compatibility Unbalanced Load compatible Flexible battery configuration Strong mixed load capacity & high over load capacity 	<ul style="list-style-type: none"> 50 / 60 Hz Compatible & 60 / 50 Hz frequency conversion Eco Mode, Frequency conversion mode, Output Voltage User selectable 380 / 400 / 415 V VRLA / Li-ion / Ni-cad Battery compatible Efficient operation even with 100% Unbalanced Load Settable 28 - 32 batteries. Ensures seamless operation across diverse applications 	<p>High Flexibility</p>
<ul style="list-style-type: none"> High MTBF > 2,00,000 hours Online Double conversion with Advanced dual-core DSP technology Remote monitoring through SNMP Standard Emergency Power off (EPO) Advanced Battery Management Advanced Digital Parallel architecture Fan speed varies intelligently with temperature Complete Protection for connected equipment Inbuilt Galvanic Isolation Transformer 	<ul style="list-style-type: none"> Faster and more precise control (±1% regulation), ensuring stable output power under varying load conditions with better efficiency Allows to monitor and respond to issues quickly Safety during faults Improves Battery health offering predictable Power Back up. Enhances battery life time and also alert for Battery end of life Upto 6 units parallel capacity for redundancy & load expansion Enhanced service life Protection against Short-circuit, Overload, Over Temperature, Over Voltage, Under Voltage, Fan Failure, Battery Low Voltage Complete Isolation between Input & Output for Safety & Reliability 	<p>High Reliability</p>
<ul style="list-style-type: none"> Low Operating Cost Optimal performance with Output Unity Power Factor Less Thermal Load Compact internal layout 	<ul style="list-style-type: none"> High Efficiency - Upto 93% on Online mode; 98% on Eco mode Maximum utilization of UPS capacity Better efficiency results in lower heat, saving on Air Conditioning Reduces the floor space. 	<p>Low Total Cost of Ownership (TCO)</p>

KRYKARD SX SERIES 3/3 UPS (10 kVA to 120 kVA)

SPECIFICATION

MODEL	SX - 10	SX - 20	SX - 30	SX - 40	SX - 60	SX - 80	SX - 100	SX - 120
Rated Capacity	10 kVA / 9 kW	20 kVA / 18 kW	30 kVA / 27 kW	40 kVA / 36 kW	60 kVA / 54 kW	80 kVA / 72 kW	100 kVA / 90 kW	120 kVA / 108 kW
INPUT								
Input Wiring	Three-phase five-wire (3Φ + N + PE)							
Rated Voltage	380 / 400 / 415 Vac							
Voltage Range	285 V - 475 V							
Rated Frequency	50 / 60 Hz							
Frequency Range	50 / 60 Hz ±5 Hz							
Bypass Voltage Range	±20% (settable)							
Delayed start of Rectifier	1~ 300s (settable via display panel)							
OUTPUT								
Output Wiring	Three-phase five-wire (3Φ + N + PE)							
Rated Voltage	380 / 400 / 415 Vac							
Voltage Regulation	±1%							
Frequency	Synchronized with utility in mains mode; 50 / 60 Hz ±0.1% in battery mode							
Waveform	Sinusoidal							
Power Factor	0.9							
Crest Factor	3:1							
Total Harmonic Distortion (THDv)	= ≤ 1% (linear load); = ≤ 5% (non-linear load)							
Transfer Time	0ms in AC mode to Battery mode; 0 ms in Inverter mode to Bypass mode							
Inverter Overload Capability	105% Continuous, 105% ~ 110% for 60 min, 111% ~ 125% for 10 min							
BATTERIES								
DC Voltage	12 V x configured battery number (settable via display panel), VRLA, Lithium-ion batteries							
No. of Batteries	32 pcs (28 ~ 32 selectable)							
Charging Current	Settable as per battery capacity							
Charging	Three - stage charging, auto switch floating / equalizing charge							
Battery Self-Test	Settable periodic self-test; manually configurable test time and voltage							
SYSTEM								
Efficiency	Up to 93% in Online mode, ≥ 98% in ECO mode							
Max. no. of Parallel Connections	6							
Protections	Short-circuit, Over load, Over temperature, Low battery, Over voltage, Under voltage & Fan Failure							
Communications	Standard configuration: RS 232, RS 485, Dry contacts Optional configuration: SNMP							
IP rating	IP 20							
Display	7 inches LCD touch screen							
OTHERS								
Operating Temperature	0° C ~ 40° C							
Storage Temperature	-25° C ~ 55° C (without battery)							
Relative Humidity	0% ~95% (non-condensing)							
Noise level at 1m	65 dB				65 dB		65 dB	
Dimensions (W × D × H) (mm)	400 x 800 x 1100				600 x 700 x 1500		700 x 800 x 1700	
Net Weight (kg)	158	175	210	260	460	590	630	690