TAURUS KO-P

TECHNOLOGY, PERFORMANCE AND VALUE FOR MONEY IN THE SMALLEST FOOTPRINT

TAURUS KO-P 11 to 40kVA



10kVA ~ 40kVA

The TAURUS KO-P is a monolithic transformerless UPS designed for next-gen mid-size critical applications. Featuring rated output factor of 1.0, it delivers maximum power availability without sacrificing the space, and providing continuous power protection seamlessly in mulitple applications and infrastructure.

PERFECT FOR:

Small datacenter | Telecom | Healthcare | Industry

FEATURES

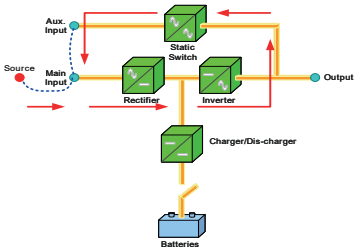
- Utilizing 3-level IGBT topology achieves high power density performance while minimizing the footprint of the UPS system
- High efficiency at low load condition, efficiency is above 90% from 25% load complying to the CEMEP Efficiency % graph
- Built-in high current battery charger
- 4 poles manual bypass and Breakers
- THDi <3% for a minimized grid impact
- High overload capability up to 1 minute @150%
- Generator compatibility with ramp up configurable in power and time delay
- Cold start function included for optimum start up whtout main supply
- Automated burn-in test function included to validate the operational performance of the UPS
- Optional internal backfeed protection provide easy installation without additional cost in UPS supply switchboard
- Install up to 40 x 9Ah internal battery for Kronos 10/15/20kVA UPS
- Wide range of battery number per string from 32pcs to 40pcs configurable
- Parallelable up to 6 units to achieve power scalability or redundancy
- Standard separate or common batteries for parallel systems
- Front and side access for ease of maintenance
- Standard Coloured LCD Touch Screen Panel for quick and user friendly operation
- Logfile, UPS information and settings easily downloadable on removable SD card from LCD, to simplify service operations

OPTIONS

- Built-in Galvanic Isolation Transformer (*overall dimension will be increase)
- Internal backfeed protection
- SNMP, RS485, Modbus boards
- External temperature sensor
- Parallel Function kit

AUTOMATED BURN-IN TEST

With the ability to performa full load test and/or full battery discharge test without the connection of a external load bank. The TAURUS KO UPS is programmed to process power in a re-circulating loop using its rectifier and inverter as an internal load bank.



SETTINGS EASILY DOWNLOADABLE ON SD CARD



Settings & informations

LCD Touch Screen Panel

Removable SD card

SPECIFICATIONS

MODEL			TAURUS KO 11P	TAURUS KO 15P	TAURUS KO 20P	TAURUS KO 30P	TAURUS KO 40P
INPUT	Voltage		400V 3phase + N				
	Voltage Tolerance		±20% @100% load				
	Frequency		40~70Hz				
	Power Factor		≥ 0.99				
	THDi		<3%				
OUTPUT	Voltage	3/3	380/400/415V 3phase + N				
	Voltage	3/1	220V/230V/240V 1phase + N			Not Applicable	
	Voltage Tolerance		±5%~±25% (programmable)				
	Power Factor	3/3	11kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW
	Power Factor	3/1	11kVA/9kW	15kVA/13.5kW	20kVA/18kW	Not Applicable	
	Frequency		50/60Hz				
	Frequency Tolerance		±0.01% (free running)				
	Crest Factor		3:1				
	Voltage Harmonic Distortion		<2% with linear load; ≤5% with distorting load				
	Overload		110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute				
BATTERY	Number of Batteries		32~40pcs configurable				
	Charging current depending on load %		3.5A~10A	7A~21A		10A~30A	13A~39A
	Common Battery		Yes				
	Internal Batteries		Yes, up to 40 blocks of 12V/7AH or 12V/9AH			No, connects to External Battery Bank	
OPTION	Dual Input Configuration		Optional Dual Input Configuration available on request				
EFFICIENCY	VFI Mode		>94%	>94.5%		>95%	>95.5%
	ECO Mode		>99%				
GENERAL	Parallel		Up to 6 units				
	Dimensions (WxHxD, mm)		260x890x850 (with wheel)				
	Weight (without Battery, Kg)		74	76		85	88
	Protection Grade		IP20				
	Display and MMI		4.3" Coloured LCD Touch Screen Panel				
	Built-in Communication Port		RS232, USB, EPO, Dry Contact				
	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% (without condensing)				
	Standards & Marks		IEC EN 62040-1, IEC EN 62040-2 ; CE				
	Noise		<52dBA @ 1 meter			<55dBA @ 1 meter	

Specifications subject to change without notice

Designed & Engineered by: Ablerex every moment counts