

DESIGN – PRODUCTION – SALES – ASSEMBLY – SERVICE
RENEWABLE AND DC&AC RESERVE
BACKUP POWER SUPPLY SYSTEMS

UPS SERIES SAURUS 10 – 40 kVA ONLINE DOUBLE CONVERSION



Let`See What We Do?

The UPS three-phase SAURUS 10-40kVA are ALBAT's three-phase online UPS, double conversion tower UPS in powers from 10kVA up to 40kVA. The UPS SAURUS series adopts the most innovative technologies with 3 IGBT levels, guaranteeing an efficiency of up to 96% and a unitary output power factor.

SAURUS 10kVA and 20kVA can be configured in input\output 1\1 or 3\1 or 3\3 mode directly from the display, while the 30 and 40kVA models can be configured 3\1 or 3\3. Three-phase UPS available in version with internal batteries or external battery cabinet. The system includes the free contact card for alarms and a manual bypass disconnecter to facilitate maintenance.

ALBAT'S UPS series SAURUS represents a perfect solution for a wide range application in the:

- Medical,
- Industry,
- Transport,
- Server,
- Data Center.

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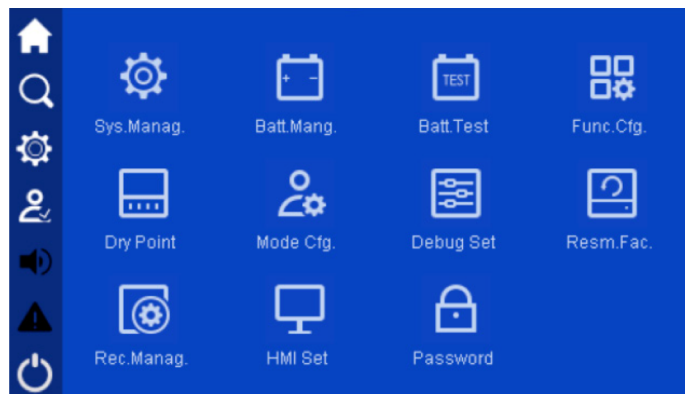
Main Features:

- Three-phase UPS with 3-level IGBT rectification technology,
- Double conversion online UPS with modular design,
- Can be upgraded on site from 10 up to 40 kVA,
- Output power factor 1 without transformer saving on energy consumption,
- Accepts unbalanced three-phase loads up to 100%,
- Flexible configuration on site 1: 1, 3: 1, 3: 3,
- Online UPS with 96% efficiency,
- Innovative self-cleaning function that periodically expels the dust from the module, reducing breakdowns,
- Fully settable from the touch screen display on site and with an intuitive interface,
- Built-in black box that periodically records the waveforms on the display,
- Full digital interconnection and advanced DSP control technology,
- Easy to use security features and alarm alerts,
- Small footprint and ecological design,
- Hot-swappable battery packs.

Availability:

SETTABLE DISPLAY

Thanks to the advanced display, the UPS of the SAURUS series are totally configurable from the display directly on site without the need for a PC or specialized software.

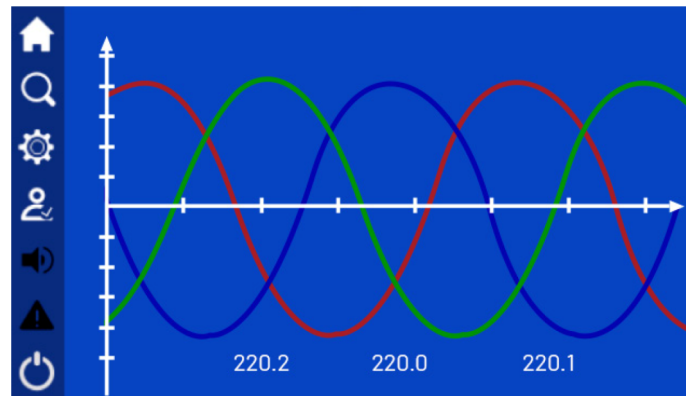


BLACK BOX

The operating system incorporated in the computerized display is able to analyze and record the waveforms of the individual components of the UPS throughout its active life.

Through the display it is possible to view, on the color screen, all the waveforms generated and passing through the individual components, simplifying the localized identification of problems or distortions of all kinds inside and outside the apparatus.

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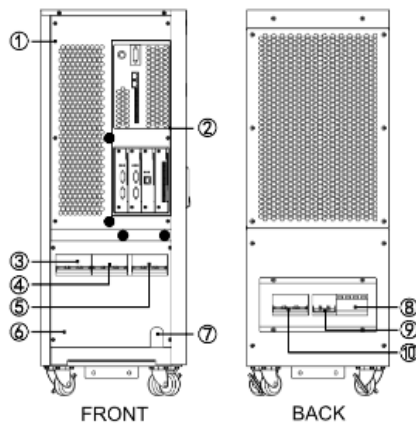


Technical Specifications:

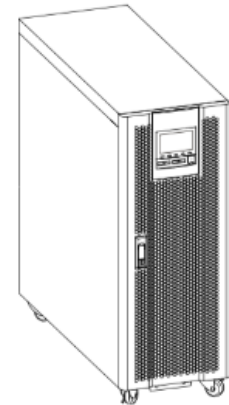
Models	SAURUS 10	SAURUS 20	SAURUS 30	SAURUS 40
INPUT				
Voltage Vac	80 – 280 (L-N) / 138 – 485 (L-L)			
Frequency Hz	40 - 70			
Bypass voltage Vac	380/400/415: -20% / +15%			
Power factor	≥0,99			
THDI	≤3%			
Phase	3:3 / 3:1 / 1:1			
OUTPUT				
Capacity kVA	10	20	30	40
Power Factor	1			
Voltage Vac	L-N: 220/230/240 ±1% / L-L: 380/400/415 ±1%			
Frequency Hz	50/60 ±0,1			
Phase	3:3 / 3:1 / 1:1			
Unbalance 3-phase voltage stabilization with full load	≤2%			
Waveform	Pure sine wave, THD<1% at linear			
Efficiency	Up to 96%			
Overload	110% load for 60mins; 116% - 130% load for 10mins; 151% load for 1min, >155% load for 200ms			
BATTERY				
Battery Voltage Vdc	±192 (±96 - ±240 settable) / ±192 (±144 - ±240 settable)			
Batt type	16 – 40 x 12V/9AH	24 – 40 x 12V/9AH	48 – 80 x 12V/9AH	48 – 80 x 12V/9AH
Charging current A	1-10 / 1-20 (settable)			
OTHERS				
Communication interface	RS485, MODBUS, dry contacts (RS232, SNMP, expand dry contact card are optional in slot)			
Display	Touch screen+LED			
Alarm	AC input abnormal, low battery, overload, failure			
Protection	IP21, overload, over temperature, battery low voltage, output over/low voltage			
Noise dB	<55			
Working temperature °C	-5 - +45			
Relative humidity	0-95%			
Dimension WxDxH mm	250x755x880		300x785x1250	
Weight kg	143	143	240	

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SAURUS 10-40kVA



1. TOP COVER PLATE;
2. CONTROL UNIT;
3. POWER BREAKER;
4. BYPASS BREAKER;
5. OUTPUT BREAKER;
6. WIRING COVER PLATE;
7. WIRING HOLES OF COMMUNICATION WIRES;
8. SURGE PROTECTION DEVICE (OPTIONAL);
9. SURGE PROTECTION BREAKER (OPTIONAL);
10. MAINTENANCE BUPASS BREAKER.



SAURUS 10-20kVA



SAURUS 30-40kVA



All informations contained in this broshure are purely indicative and cannot be used to form any contractual obligations, specifications or designs can be changed at anytime without notice!

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