

UPS SERIES SAURUS 10 - 40 kVA

ONLINE DOUBLE CONVERSION



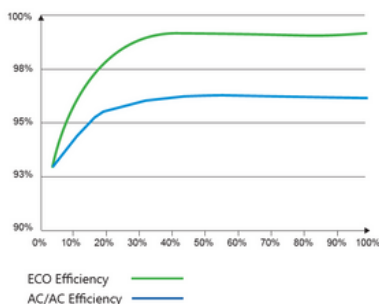
UPS ONLINE THREE-PHASE | SINGLE PHASE

The SAURUS three-phase UPS (10-40kVA) are three-phase online UPS range, double conversion tower UPS in powers starting from 10kVA up to 40kVA. The UPS SAURUS series adopts the most innovative 3-level IGBT technologies, ensuring efficiency up to 97% 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.

EFFICIENCY AND FLEXIBILITY

- Output power factor equal to 1
- AC/AC efficiency up to 97%



- Innovative three-level IGBT technology integrated in the inverter section
- Modifiable input and output:
 - 1:1, 3:1 (10-20kVA)
 - 3:1, 3:3 (30-40kVA)
- Maximum capacity of built-in batteries:
 - from 16 up to 40 12V 9Ah monoblocks (10-20kVA)
 - from 48 up to 80 12V 9Ah monoblocks (30-20kVA)

MAIN APPLICATIONS

ALBAT'S UPS Series SAURUS 10-40 kVA represents a perfect solution for a wide range application in the:

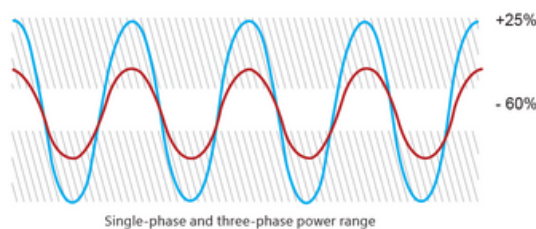
- Data Center
- Health Care
- Transport
- Industry
- Server

MULTIPLE CONFIGURATIONS

- TOUCH-SCREEN computerized screen with Linux operating system and color graphic interface
- 10kVA and 20kVA versions with input and output configurable from display in single-phase and / or three-phase (1: 1,3; 1,3: 3)
- 30kVA and 40kVA versions with configurable output from display in single-phase or three-phase (3: 1,3; 3)
- Display available in 7 languages
- Advanced control with double redundant DPS



- ECO mode with efficiency up to 99%, configurable from the display
- Maximum output tolerance, ability to operate with 100% unbalanced loads
- Fully tropicalized electronic cards
- Double input with wide tolerance, compatible with diesel generators



CONTACT:

albat@albat.ba
www.albat.ba

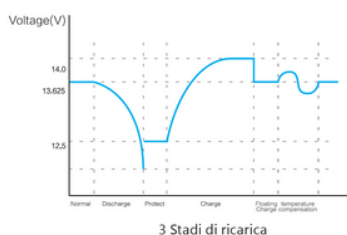
tel.: +387 33 764 075, 764 076
fax.: +387 33 764 077

Bosnia & Herzegovina
Igmanska 36
71320 Vogosca-Sarajevo



MULTIPLE CONFIGURATIONS

- Ultra Wide Battery Range:
 - 10kVA version minimum 16 up to 40 for monoblocks series ($\pm 96 \sim \pm 240\text{Vdc}$)
 - 20-30-40kVA version minimum 24 up to 40 for monoblocks series ($\pm 144 \sim \pm 240\text{Vdc}$)
- ECO mode with efficiency up to 99%, configurable from the display
- Advanced 3-stage battery charging and maintenance system



- Shared batteries for parallel systems, a single battery pack for two N + 1 UPSs
- Possibility of parallel installation N + 1 (redundant or power) up to 10 units

STANDARD AND COMMUNICATIONS

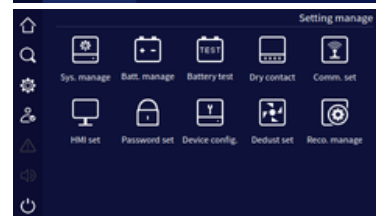
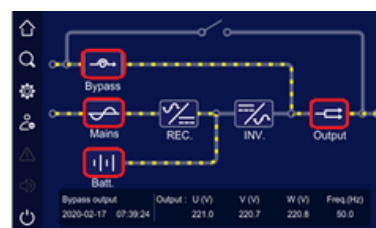
- Clean contact card with 5 alarms
- Maintenance bypass switch
- EPO emergency release button on the front, remote clean contact on the back
- Battery start-up by means of specific button
- Kit for 1:1 and / or 3:1 installation (optional)
- Integrated external battery connector
- Integrated RS485 and Modbus communication port
- Wiring arrangement for internal batteries:
 - from 16 up to 40 12V 9Ah monoblocks (10-20kVA)
 - from 48 up to 80 12V 9Ah monoblocks (30-40kVA)
- Protection against reverse polarity of the batteries
- SNMP network card for remote control and monitoring (optional)
- NC/NO dry contact card for further 12 alarms (optional)

SETTINGS FROM DISPLAY

- Access to the menu via different password levels (User, Technician and Manufacturer)
- Configuration for input, output, bypass, batteries, communications, language and operating modes
- Periodic self-cleaning function, to expel impurities and reduce the risk of failure
- Large memory up to 10,000 events downloadable via the USB port integrated in the UPS
- Advanced communication for installation and operation with diesel generators
- Alarms from clean contact card, configurable from display



Display 4.9" Inches



CONTACT:



UPS ACCESSORIES



SNMP Card



External maintenance bypass



Dry Contact Card

TECHNICAL SPECIFICATIONS

MODELS	SAURUS 10	SAURUS 20	SAURUS 30	SAURUS 40
INPUT				
VOLTAGE	80-290 (L-N) / 138-485 (L-L) Vac			
FREQUENCY	40-70 Hz			
BYPASS VOLTAGE	380/400/415: -20% - +15% Vac			
POWER FACTOR	≥0,99			
THDI	≤3 %			
PHASES	3:3 / 3:1 / 1:1		3:3 / 3:1	
OUTPUT				
POWER	10	20	30	40
POWER FACTOR	1			
VOLTAGE	L-N: 220/230/240±1%; L-L: 380/400/415±1% Vac			
FREQUENCY	50/60±0,1 Hz			
THD	THDv<1% at linear load, THDv<3% at non-linear load			
WAVEFORM	Pure sine wave; THD<1% linear			
EFFICIENCY	97%			
OVERLOAD	110% Overload for 60mins; 130% Overload for 10mins; 155% Overload for 1min; >155% Overload for 200ms;			
BATTERIES				
BATTERIES VOLTAGE	±96 - ±240 configurable	±144 - ±240 configurable	±144 - ±240 configurable	±140 - ±240 configurable
STANDARD BATTERIES CONFIGURATION	32 x 12V/9AH	36 x 12V/9AH	72 x 12V/9AH	72 x 12V/9AH
MAX. CHARGING CURRENT	1-10 A configurable		1-20 A configurable	
OTHER SPECIFICATIONS				
COMMUNICATIONS	RS485, MODBUS, Free Contact Card (RS232 and SNMP optional)			
DISPLAY	Touch screen+LED			
ALARMS	Low batteries, Anormal input, Overload, Block/Fault ecc.			
PROTECTION	Low batteries, Overload, Short-circuit, Over-temperature ecc.			
NOISE	<55 dB			
TEMPERATURE	-5 - +40 °c			
HUMIDITY	0 – 95%			
DIMENSIONS (LXWXH)	250x755x880 mm		300x785x1250 mm	
WEIGHT	132 kg with batteries, 50 kg without	140 kg with batteries, 50 kg without	270 kg with batteries, 85 kg without	
CERTIFICATES				
STANDARDS	CE (Reference standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; Classification IEC EN 62040-3)			

CONTACT:

albat@albat.ba
www.albat.ba

tel.: +387 33 764 075, 764 076
fax.:+387 33 764 077

Bosnia & Herzegovina
Igmanska 36
71320 Vogosca-Sarajevo

