

# UPS SERIES SAURUS-MOD 25 - 600 kVA

## ONLINE DOUBLE CONVERSION



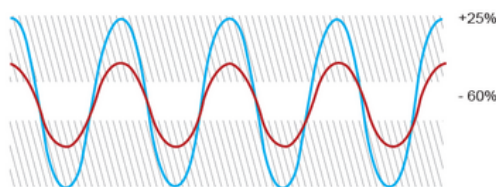
### MODULAR UPS HOT-SWAPPABLE

The Saurus modular UPS (25-600kVA) are AEC's range of three-phase modular UPS, UPS with hot-swappable modules, in powers starting from 25kVA up to 600kVA in single structure. The UPS SAURUS MOD series adopts a completely modular technology, guaranteeing constant redundancy of the continuity system.

Their modularity allows future expansion. They are available in three sizes, up to 125kVA | 200kVA - 300kVA | 400kVA- 600kVA with an efficiency of up to 97% and maximum safety. SAURUS MOD is designed for medium and large data centers. UPS configurable directly from the display, with great flexibility and high overload capacity. The self-cleaning function reduces the risk of dust accumulation on the cards. The system includes the free contact card for alarms.

### EXCELLENT PERFORMANCE

- Efficiency higher than 95% even at low loads
- Maximum output tolerance, ability to operate with 100% unbalanced loads
- Double input with wide tolerance, compatible with diesel generators



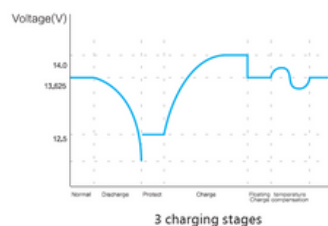
Three-phase power supply range

### MAIN APPLICATIONS

ALBAT'S UPS Series Atlas Tower 1-10 kVA represents a perfect solution for a wide range application in the:

- Data Center
- Home/Office
- Transport
- Industry
- Emergency

- Advanced 3-stage battery charging and maintenance system



- Redundant and hot extractable power modules (rectifier and inverter)
- Centralized bypass module with battery start button

### 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

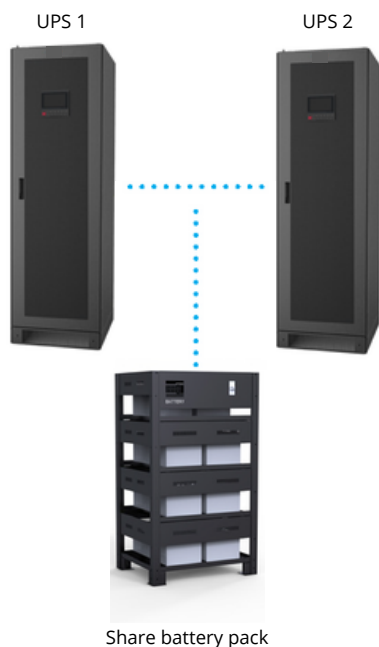


### STANDARD AND COMMUNICATIONS

- Clean contact card with 5 alarms
- Bypass switch for maintenance
- EPO emergency release button on the front, remote clean contact on the back
- Starting from battery by means of a specific button
- Integrated RS485 and Modbus communication port
- Protection against reserve polarity of the batteries
- SNMP network card for remote control and monitoring (optional)
- NC/NO dry contact card for further 12 alarms (optional)

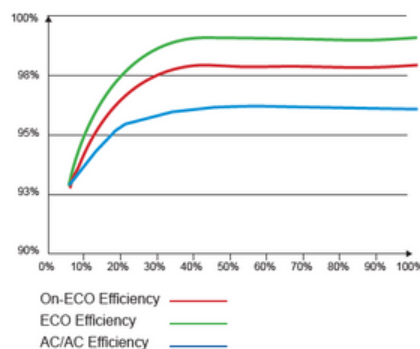
### MAXIMUM SCALABILITY



- Innovative modular N+1 technology in all components of the UPS system
- Expandable and hot potential directly on site and from the display
- Batteries in common for systems in parallel, a single battery pack for two UPS N+1



### MODULAR TECHNOLOGY HOT-SWAPPABLE

- Output power factor equal to 1
- Maximum AC/AC efficiency up to 97%  
ECO-Mode up to 99%  
Online ECO-Mode up to 98%



- Battery configurations:  
from 15 to 20 monoblocks ( $\pm 180 \sim \pm 240\text{Vdc}$ )
- ECO mode with efficiency up to 99%, configurable from the display
- Advanced control with double redundant DSP  
- Completely tropicalized electronic cards
- Display available in 7 languages
- Intelligent fans with high efficiency cooling, multiple modes to control their speed, extend their life and improve their efficiency



Automatic fan control

### CONTACT:

albat@albat.ba  
www.albat.ba

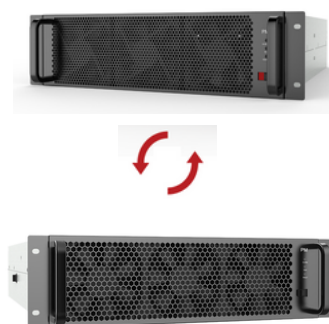
tel.: +387 33 764 075, 764 076  
fax.: +387 33 764 077

Bosnia & Herzegovina  
Igmanska 36  
71320 Vogosca-Sarajevo



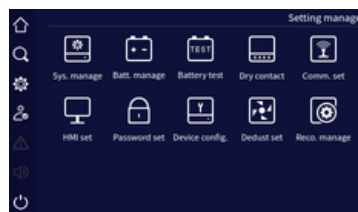
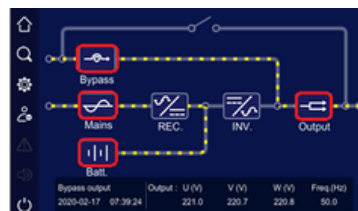
### REDUNDANT AND HOT-SWAPPABLE POWER MODULES

- Hot-swappable N+1 UPS module with power of 30kW for structure up to 120kW
- Hot-swappable N+1 UPS module with power of 50kW for structures with maximum expansion up to 200kW, 300kW and 600kW
- UPS module including rectifier and inverter with 3-level IGBT technology and redundant components
- Redundant modules in power and in parallel N+1 for maximum reliability and versatility
- Intelligent saving modes with modules automatically activated periodically only in case of energy need



### 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 breakdowns
- 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
- Periodic graphic recording of inverter, rectifier and control waveforms



Display 4.9" Inches

### 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



**UPS ACCESSORIES**



SNMP Card



External maintenance bypass



Dry Contact Card

**TECHNICAL SPECIFICATIONS**

Models	SAURUS MOD 125	SAURUS MOD 200	SAURUS MOD 300	
<b>INPUT</b>				
Voltage Vac	380 / 400 / 415			
Voltage range Vac	L:L 138 - 485			
Frequency Hz	40-70			
Bypass Voltage Range Vac	-15% (-20%/-30% optional) up to +15% (-10%/+20% optional)			
Power factor	≥0,99			
THDi	<5% (nonlinear, full load)			
Phase	3Φ4W+PE			
Battery Voltage Vdc	±192 (±180 up to ±276 settable)		±240 (±180 up to ±276 settable)	
Charging current A	Nx10 Maximum (N: the number of power modules)			
<b>OUTPUT</b>				
Capacity kVA/kW	125	200	300	
Power Factor	1			
Phase	3Φ4W+PE			
Wave form	Sine wave			
Voltage Vac	L-L: 380/400/415 ±1%			
Frequency Hz	50/60±0,2% (battery mode)			
Three phase difference	≤2 degrees			
THDV	≤1% (linear load, full load), ≤4% (nonlinear load, full load)			
Max. system Efficiency	96,00%			
Parallel mode	Advanced no-master-slave parallel technology, N+1 redundancy			
Overload capacity	105-115% load for 60 mins, 116%-130% load for 10mins, 131%-150% load for 1 min, over 150% load transfer to bypass			
<b>OTHERS</b>				
Working temperature °C	0 up to +40			
Relative humidity	0% up to 95%, no condensation			
Noise dB	<65	<60		
Power module kW	25	50		
Power module dimension WxDxH mm	500x700x130			
Power module weight kg	32	33		
Dimension WxDxH mm	600x900x1400		600x860x2000	
Weight kg	UPS	162	224	236
	Bypass module	20	23	27
	Power module	32	33	
	Total	347	379	461

**CONTACT:**



Models	SAURUS MOD 400	SAURUS MOD 500	SAURUS MOD 600	
<b>INPUT</b>				
Voltage Vac	380 / 400 / 415			
Voltage range Vac	L:L 138 - 485			
Frequency Hz	40-70			
Bypass Voltage Range Vac	-15% (-20%/-30% optional) up to +15% (-10%/+20% optional)			
Power factor	≥0,99			
THDi	≤5% (nonlinear, full load)			
Phase	3Φ4W+PE			
Battery Voltage Vdc	±240 (±180 up to ±276 settable)			
Charging current A	Nx10 Maximum (N: the number of power modules)			
<b>OUTPUT</b>				
Capacity kVA/kW	400	60	600	
Power Factor	1			
Phase	3Φ4W+PE			
Wave form	Sine wave			
Voltage Vac	L-L: 380/400/415 ±1%			
Frequency Hz	50/60±0,2% (battery mode)			
Three phase difference	≤2 degrees			
THDV	≤1% (linear load, full load), ≤4% (nonlinear load, full load)			
Max. system Efficiency	96,00%			
Parallel mode	Advanced no-master-slave parallel technology, N+1 redundancy			
Overload capacity	105-115% load for 60 mins, 116%-130% load for 10mins, 131%-150% load for 1 min, over 150% load transfer to bypass			
<b>OTHERS</b>				
Working temperature °C	0 up to +40			
Relative humidity	0% up to 95%, no condensation			
Noise dB	≤70			
Power module kW	50			
Power module dimension WxDxH mm	500x700x130			
Power module weight kg	33			
Dimension WxDxH mm	1200x860x2000			
Weight kg	UPS	427		
	Bypass module	27	31	31
	Power module	33		
	Total	718	788	873

**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

