

MODULAR UPS

series ATLUS

NOMINAL INPUT VOLTAGE

48 Vdc

NOMINAL OUTPUT VOLTAGE

230 Vac, 50/60 Hz

Modular UPS series ATLUS 3K-12K single phase designed for AC appliance. Power for backup covered from internal batteries, maintenance and charged with rectifier's modules. Power source design ensures high reliability, operation safety, enable fast and easy service for various applications.



ALBAT'S Modular UPS series ATLUS system with its Modular design represents a perfect solution for a wide range application in the:

- Telecommunication,
- Industrial and
- Energetics market.

MAIN FEATURES:

- Switched-mode Inverter/Rectifier
- Power range by module from 3kVA up to 12kVA
- Input voltage from 150 up to 265 Vac
- Suitable for voltage: 48 Vdc
- 19" Rack design
- Modular design
- Digital controller
- Internal battery

AVAILABILITY:

- N+1 redundancy
- Hot swap conception
- Temperature controlled charging
- Local and remote control
- LVDB system protection battery
- Over voltage protection for system and modules
- Enable the additional power extension

ECONOMIC EFFICIENCY:

- High performance beside low volume and weight
- Efficiency: EPO 96%; On line >93,5%
- Suitable for lead and NiCad batteries
- All-inclusive system

ALBAT provide completely Design by your technical request, Production, Assembly and Service in warranty and after-warranty period.

The production process is in accordance with the standards ISO 9001:2008 and ISO 14001:2004. All products are in compliance with IEC and EN standards.

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Technical Specification

TYPE	3 kVA	6 kVA	9 kVA	12 kVA
AC INPUT				
Voltage range	150 to 265 Vac L-N single phase			
Nominal current at 100% load and 230Vac	11,7 A	23,4 A	35,1 A	46,8 A
Frequency	47-53 / 57-63 Hz			
Power factor	≥0,99			
AC input breaker	63 A 2 poles			
DC INPUT				
Nominal voltage	48 Vdc			
Voltage range	40 – 60 Vdc			
Type battery	Lead Acid or NiCad			
Recharge time	Up to 12 hours for 80% battery capacity (with additional charger)			
AC OUTPUT				
Nominal voltage	230 Vac			
Voltage range	220-240 Vac L-N single phase adjustable			
Frequency	50 Hz / 60 hz ± 0,1%			
Output Power	3 kVA / 2,4 kW	6 kVA / 4,8 kW	9 kVA / 7,2 kW	12 kVA / 9,6 kW
POWER MODULE				
Nominal output power	3 kVA / 2,4 kW	6 kVA / 4,8 kW	9 kVA / 7,2 kW	12 kVA / 9,6 kW
Short time overload capacity	125 % (15 seconds)			
Admissible load power factor	Full power rating from 0 inductive to 0 capacitive			
THD	≤3%			
Crest factor	3 : 1 for load PF ≤0,7			
AC output stability	±1 % from 10% up to 100% load			
TRANSFER PERFORMANCE				
Max. Voltage interruption / Total transient voltage duration (max)	0 sec / 0 sec			
ENVIRONMENTAL				
Cabinet	600x600x2100 mm or different			
Protection	IP20 or different			
Cooling	Forced			
Operating temperature	-20 up to +60 °C (derating from +40 up to +60°C)			
Static switch	Included in each module			
Manual Bypass	Included			
CONTROLLER				
Display	Synoptic LED on Modules and Touch screen on Rack			
Communication	ETH, SNMP, MODBUS over IP			
Alarm relay	Form C dry contacts Major + Minor + 6 relay configurable			
Safety and EMC				
Standards	EN/IEC 62040-1, -2, -3			

