

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

UPS SERIES ATLUS RACK 1 – 10 kVA ONLINE DOUBLE CONVERSION



Let`See What We Do?

The ATLUS RACK smart high frequency online, Single Phase Online 1-10kVA, UPS uses full digital control technology and the latest high frequency converter technology and has high efficiency, high power factor and other advantages. It has significant energy savings and greatly reduces operation costs. It has integrated functions such as AC regulation, backup power supply, surge protection, and other functions to provide protection to equipment in harsh power grid environments and provide clean, safe, and stable power to loads.

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

- Finance,
- Telecommunication,
- Energy,
- Medical,
- Government.

Main Features:

- 3 level IGBT technology UPS,
- 95,5% Efficiency,
- Output Power Factor 1,0,
- Compact and smaller design (6-10kW only 2U),
- Hot swappable battery pack,
- Rack / Tower

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Economic Efficiency:

- Input power factor up to 0.996 and low THDi (< 3%) decrease pollution to city power,
- AC/AC efficiency up to 95,5%, energy saving and low carbon emission,
- Compliance with RoHS standard, innocuous and environmental friendly,
- Design in accordance to International EMC and Safety standard,
- Reliable electromagnetic compatibility characteristics, certified by authoritative organizations, suitable for professional high frequency communication, and audio and video broadcasting applications ,
- Input power factor >0.99, input harmonics <3%; improved energy utilization and effectively avoids additional energy loss; eliminates power grid pollution and reduces energy costs. Smart Fan, High Efficiency Cooling.
- Multiple modes to control fan speed, extend the life of the fan and further improve efficiency and reduce power consumption.
- Minimum 0.05m footprint, save delivery cost and easy for installation,
- At least 10% more output power for your loads.
- High power density, optimized structural design, smaller and more convenient, and reduces space usage,
- Flexible battery configurations, supports 16-20 batteries configured in any way, improves the life cycle of old batteries and improves maintenance efficiency (6KVA models and above).
- Mains power grid is prioritized to prevent frequent switching between mains and battery to extend battery life.

Availability:

- Utilizes advanced DSP control technology, precision and fast data processing and has fast fault self-diagnosis and processing capabilities, as well as complete self-protection functions with high reliability,
- Improved circuit integration, optimized circuit designs, improved anti-interference capabilities, and stabler performance,
- Industry's leading overall system efficiency, overall full load system efficiency of up to 95% and half load efficiency of up to 90%, huge energy savings and greatly reduce client's operation costs,
- Output power factor can reach as high as 1, industry leading performance, better loading capacity for the same power, cost effective and low system investment costs,
- Ultra wide input voltage range, adaptable to different usage environments; use in harsh power environments with ease,
- Self adaptive to input frequency (50/60Hz), constant monitoring of power grid frequency, smart setup-free operation,
- Generators are suitable for AC power input, poor quality electricity produced by the generator is effectively isolated to prevent grid pollution to provide clean, safe, and stable power to loads.
- Automatic self-detection upon startup which discovers hidden faults in a timely manner to ensure equipment safety and avoid unnecessary loss,
- Complete protection and warning function sets off a sound and light alarm immediately to prevent hazards,
- Supports input neutral/live wire detection to prevent fire hazard from incorrect neutral and live wire connection and to ensure personnel and asset safety.

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- Well-proportioned visual effects, graphical interface, streamlined display, improved user experience,
- Supports host temperature display, making it more easier to monitor temperature changes; more manageable device safety.
- Variety of dry contact signals and communication functions:
 - Standard communication: RS232, supports USB, SNMP, dry contact, EPO, etc,
 - Smart monitoring of computers and the uninterruptible power supply can be implemented by a variety of communication methods to satisfy user's remote management needs. Complete communication management functions allows easy monitoring of device status.
- User-friendly and Easy-shift LCD Display:
 - The digital display can be easily shifted through LCD setting to suit for vertical/horizontal installation,
 - Output voltage 208/220/230/240Vac, 50/60Hz, ECO mode all can be settable on site,
 - Alarm information and operation process can be checked on the LCD.
- Hot-swappable Battery Design:
 - External battery pack is optional,
 - Easy for online battery replacement.
- Flexible Rear Panel Configuration:
 - Dry contact kits and SNMP are optional,
 - Intelligent RS232+USB+EPO,
 - ECO function,
 - External battery pack port available.

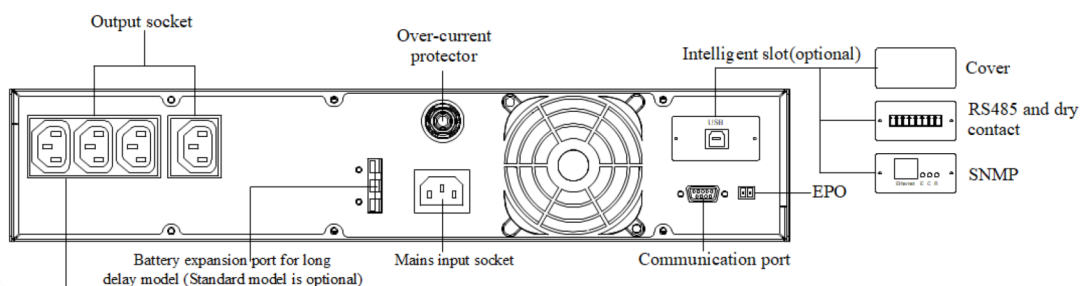


Horizontal display

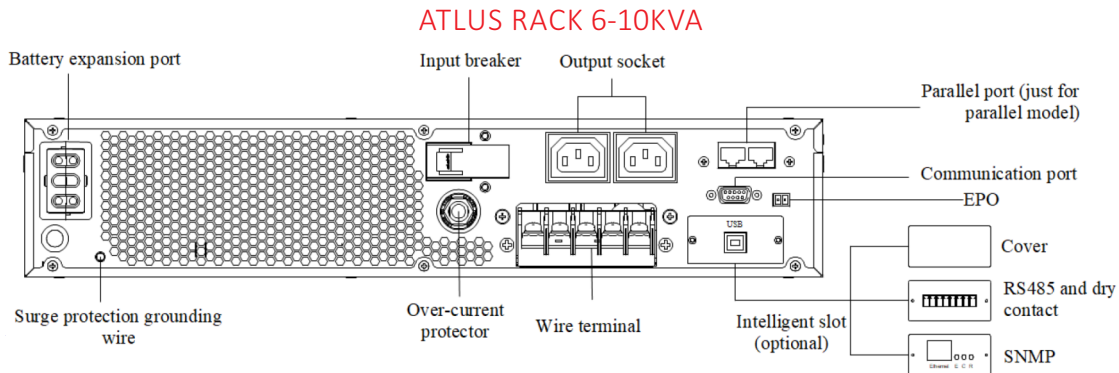
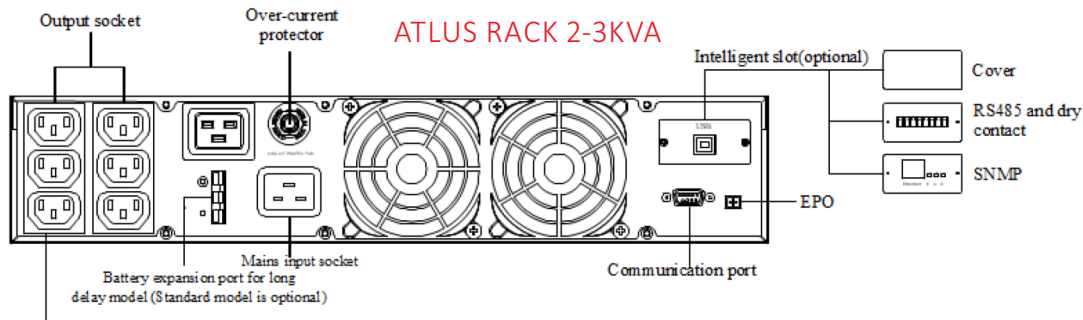


Vertical display

ATLUS RACK 6-10KVA



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Technical Specifications:

Models	ATLUS TOWER 1000	ATLUS TOWER 2000	ATLUS TOWER 3000	ATLUS TOWER 6000	ATLUS TOWER 10000
INPUT					
Voltage Vac	120-295			80-275	
Frequency Hz	50/60 ±10% (50/60Hz auto sensing)				
Power factor	≥0,99				
THDI	<3%				
OUTPUT					
Capacity VA	1000	2000	3000	6000	10000
Max. AC/AC Efficiency	92,00%	92,50%	93,30%	95,5%	
Power Factor	1				
Voltage Vac	208/220/230/240±1% (selectable on display panel)				
Frequency Hz	50/60±0,2% (battery mode)				
THD	THD <2% (linear load); THD <5% (nonlinear load)			THD <1% (linear load); THD <4%(nonlinear load)	
Transfer time ms	0				
BATTERY					
Battery Voltage Vdc	24/36	48/72	72/96	192~240	
Batt type	2x12V9Ah / External	4x12V9Ah / External	6x12V9Ah / External	16x12V9Ah / External (16~20 units settable)	
Charging current A	1-4	1-4	1-4	1/1~8(adjustable)	
OTHERS					
Communication interface	RS232, EPO, USB (slot) (SNMP, RS485+dry contact are optional in slot)				
Display	LCD: AC input & output voltage, frequency, load level, battery level, temperature, AC mode, battery mode, bypass mode, fault				
Alarm	AC input abnormal, low battery, UPS failure, etc.				
Protection	short-circuit, overload, over temperature, battery low voltage, etc.				
Noise dB	<50	<55			
Working temperature °C	-5~+40				
Relative humidity	0~95%, no condensation				
Dimension WxDxH mm	438x413x2U	438x413x2U (UPS) + 438x413x2U (BP) / 438x413x2U		438x500x2U (UPS) + 438x500x2U (BP)	
Weight kg	11/5,8	7,2+13/8	7,2+17,5/8	10,6+45/10,6	12,2+45/12,2

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