

Powering the future

ATU400 Series Outdoor UPS module



- » Line Interactive true sine wave
- » Operating temperature: -40°C - +60°C
- » Serial interface RS232 sau Ethernet (optional)
- » High power battery charger

The outdoor UPS modules of the ATU400 Series are designed for general purpose applications in communications, traffic, security. A powerful battery charger allows runtimes of 6-8 hours at full load.

ATU400 UPS modules can be integrated in customer's cabinet together with other equipment or be part of an outdoor UPS turnkey solution manufactured by Alphapower.

Technical Specifications

Model	ATU410L	ATU420M	ATU430S
Electrical			
Input voltage	230Vac (184Vac - 275Vac)		
Frequency	45Hz - 55Hz / 55Hz - 65Hz		
Output voltage	230Vac \pm 2%		
Output frequency	50Hz \pm 0.1%		
Output power at 50°C	1000VA	2000VA	3000VA
Power factor	0.8		
Overload	> 110%	1 min.	
	> 125%	20 sec.	
	> 150%	20 msec.	
Efficiency in backup mode	88%		
THD	< 3%		
Crest factor	3:1		
Batteries			
Nominal battery voltage	12Vdc	24Vdc	48Vdc
LVD	11Vdc	22Vdc	44Vdc
Max. charge current	40A		30A
Type	AGM / Gel		
Temperature compensation	-4mV / °C / cell		
Charging characteristic	3 stages		
Mechanical			
Dimensions	19", 3U	19", 4U	
Weight (without batteries)	12kg	14kg	15kg
Ingress protection rating	IP20		
Environmental			
Operating temperature	-30°C - + 60°C, with power derating over 50°C		
Storage temperature	-40°C - + 70°C		
Humidity	5% - 95%		
Protection			
Overload and overtemperature	Auto disconnect		
Shortcircuit protection	Auto disconnect		
Overvoltage	Integrated protection (class C)		
Others			
Output voltage wave form	Sine wave		
Transfer time	\leq 10ms		
Interfaces	RS232, Ethernet (optional)		
Cooling	Forced air		
Integrated breakers	Input, battery, charger		
Alarm relays	Line Fail, Low DC Voltage, Fault, Open door		
Agency Compliance			
Safety	EN 60950-1		
Emissions	EN 55022, EN 61000-3-2, EN 55024		
Immunity	EN 61000		