ARES Plus

DSP Controlled Online UPS

ARES PLUS TOWER

ARES PLUS Tower has a number of smart functions which increase battery life. Thanks to the new battery discharge protection control function, prolongs durability and provides remote control for applications, it is perfect for applications in PCs, Servers, Medical Equipment and Telecommunications.

DISCHARGE CONTROL LEVEL

1) Adjust the discharge percentage of the battery (3-100%)

2) When the UPS is in battery mode, it stops at the set discharge level

3) The UPS will be able to start cold with the pre-programmed reserve of batteries.
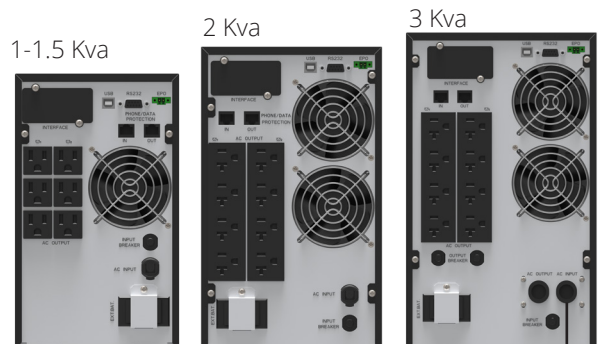
SERVERS   **NETWORK**   **CONTROLS**   **HEALTH**   **AUDIO/VIDEO**

Rear View:

1-1.5 Kva   2 Kva   3 Kva

Highlights:

· Online topology provides the best protection available
· DSP control provides more precision and functionality
· Wide input range (50~150 VAC) extends battery life
· Harmonic content control keeps power lines clean
· Multi-mode operation for maximum adaptability
· Smart fan design provides quieter operationIntelligent
· Self-diagnosis to ensure reliability
· Simple firmware update prolongs the life of the UPS
· SNMP support allows easy integration into existing platforms.
· Standard emergency shutdown for building compliance
· Optional programmable outputs IGBT technology for cleaner production and higher efficiency.

Specifications

MODEL			AB-ARPLUS1000	AB-ARPLUS1500	AB-ARPLUS2000	AB-ARPLUS3000
Input	Voltage		100/110/115/120/127 VAC - Nema			
	Voltage range		50~150 VAC			
	Frequency range		40~70 Hz (auto sensing)			
	THDi		≤5%			
	Power Factor		>0.99%			
Output	Capacity		1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W
	Voltage		100/110/115/120/127 VAC VAC (user selectable + micro adjustment)			
	Power Factor		0.9			
	Regulatión		±1%			
	Frequency range		50/60 Hz ±0.1Hz			
	Crest factor		3:1			
	Wave type		Pure Sinusoidal			
Outlets	NEMA type		6 - 5-15R 1 - 5-15P	6 - 5-15R 1 - 5-15P	8 - 5-15/20R 1 - 5-20P	8 - 5-15/20R 1 L5-30R 1 L5-30P
Efficiency	On Line mode		90.5%	90.5%	92%	94.5%
	Battery mode		90%	90%	91%	94.5%
	ECO mode High Efficiency		97%	97%	97%	98%
Battery	Number / Quantity		2- 12 Vdc/9 Ah	3- 12 Vdc/9 Ah	4- 12 Vdc/9 Ah	6- 12 Vdc/9 Ah
	Voltage		24	36	48	72
	Run time		5.3 minutes at full load / 14 minutes at half load			
	Recharge time (to 90%)		3 hours			
Display	LCD readings		Voltage / Frequency / Charge level / Battery level / Output current / Autonomy			
	Auto diagnosis		Upon power-up, program settings and control, real-time check			
Alarm	Audiovisuals		Line Fail / Low Battery / Transfer to Bypass / System Failure			
Protection	Total protection		Overload, Over temperature, Short circuit, Discharge, Over-charge.			
Function	Multiple modes		Normal / ECO / CVCF (Constant Voltage and Frequency)			
	Cold start		Yes			
	Programmable sockets		Two programmable banks via SNMP and / or Autonomous (using the setting tool)			
Physical	Dimensions (WxHxD)	Inches	6 x 10.15 x 16	6 x 10.15 x 16	6.75 x 11.35 x 17.35	7.56 x 12.6 x 21.77
		mm	154 x 258 x 404	154 x 258 x 404	171 x 288 x 441	192 x 320 x 553
	Net weight Kgs / Lbs.		12.3 / 27	15 / 33	21.5 / 47.3	30.5 / 67.5
Environmental	Operating temperature		0~40°C / 32~104°F			
	Noise		≤45 dBA @ 1 meter in front			
	Altitude		3000 mts.			
	Humidity		0%~95%RH (without condensing)			
Interfaces	Standard		RS-232, USB, EPO, ROO			
	Options		RS-485 cards (Modbus), Dry contact, SNMP / WEB, Environmental, WIFI, SMS.			
	Supported Platforms		Microsoft Windows series, Linux, Mac, HID Compliance, etc.			
Standard and Certifications	Security		UL1778			
	EMC		FCC Class A			
	Marks		cTUVus, FCC			

*Specifications subject to change without notice.