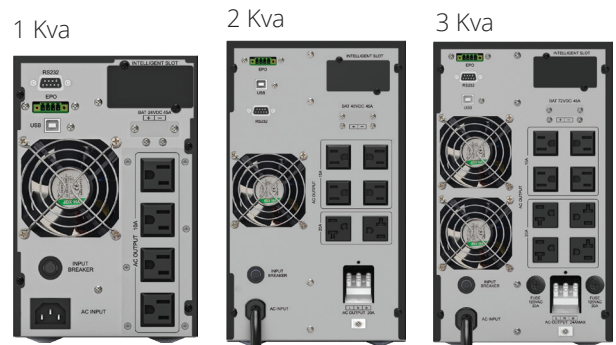![Ablerex - Experts in Power Conversion]

Arplus-Eco

True Online Double Conversion UPS

ARES PLUS ECO TOWER

Ares Plus ECO is an On-Line Uninterruptible Power Supply incorporating double conversion technology. It provides perfect protection specifically for computer equipment, communication systems, medical applications and industry control systems. The double converter principle eliminates all mains power disturbances. A rectifier converts the alternating current from the socket outlet to direct current. This direct current charges the batteries and powers the inverter. Because of this DC voltage the inverter generates pure sinusoidal AC voltage witch permanently supply the loads. Computers and peripherals are thus power entirely by the mains voltage.

SERVER   NETWORKS   WORK ESTATIONS   HEALTH   AUDIO/VIDEO

Rear view:

1 Kva   2 Kva   3 Kva

Highlights:

• True Double conversion design with high adaptability to harsh mains conditions.
• Programable LCD display for quick UPS parameters configuration.
• Wide input voltage range increases battery life
• Multiple mode of operation for better. adaptability.
• Option for external battery banks.
• Robust construction supports the highest level of overload in its class.
• Varius communication ports for easy man-agement.

Specifications

MODEL			ARPLUS-ECO1000	ARPLUS-ECO2000	ARPLUS-ECO3000
Input	Input voltage		110/115/120/125 Vac default 120 Vac		
	Voltage range		55~145 Vac		
	Frequency range		40~70 Hz		
	THDi		≤5%		
	Power facrtor		>0.99%		
Output	Capacity		1000VA/900W	2000VA/1800W	3000VA/2700W
	Voltage		110/115/120/125 Vac default 120 Vac		
	Power factora		0.9		
	Regulation		±1%		
	Frequency range		50/60 Hz ±0.5Hz		
	Crest factor		3:1		
	Overload		100~105% constant, 105~130% 60 seg.		
	Armonic distortion THDv		< 2% with linear loads		
	Wave form		Pure Sine Wave		
Outlets	NEMA type		4- 5-15R 1- 5-15P	8- 5-15/20R 1- L5-20P /1- 5-20P adapter	6- 5-15/20R - H/W 1- L5-30P
Efficiency	Line mode		89%	89%	90%
Battery	Number / Capacity		2- 12 Vdc/9 Ah	4- 12 Vdc/9 Ah	6- 12 Vdc/9 Ah
	System voltage		24	48	72
	Back up time		5 min full load / 12 min half load		
	Recharge time (to 90%)		5 hours		
Panel	LCD messurement		Voltage / Frequency / Charge level / Battery level / Output current / Autonomy		
	Auto diagnostic		Upon power up, Program settings and control, real-time check		
Alarm	Audio visuals		Line Failure / Low Battery / Transfer to Bypass / System Failure		
Protection	Total protection for		Overload, Over temperature, Short circuit, Discharge, Over-charge.		
Function	Multiple modes		Adaptive/ ECO/ 50 or 60 Hz CVCF (Constant voltage constant frequency)		
	Coold start		si		
Physicals	Dimentiones (WxHxD)	Inches	5.7 x 8.9 x 12.9	7.54 x 12.8 x 14.6	7.54 x 12.8 x 14.6
		mm	144 x 224 x 325	190 x 323 x 368	190 x 323 x 368
	Net weight Kgs/Lbs.		12.3 / 27	21.5 / 47.3	30.5 / 67.5
Enviroment	Operatin temperature		0~40℃ / 32~104°F		
	Noice		≤50 dBA @ 1 meters in front		
	Altitud		3000 mts.		
	Humidity		0%~95%RH (non-condensing)		
Interface	Standar		RS-232, USB, EPO, ROO		
	Opcions		RS-485 cards (Modbus), Dry contact, SNMP/WEB, Environmental, WIFI, SMS.		
	Compatible plataforms		Microsoft Windows series, Linux, Mac, HID Compliance, etc.		
Standar and Certifications	Sefety		UL1778		
	EMC		FCC Class A		
	Marks		cTUVus, FCC		

*Specifications subject to change without notice.