

Arplus-Eco

Online Double Conversion UPS

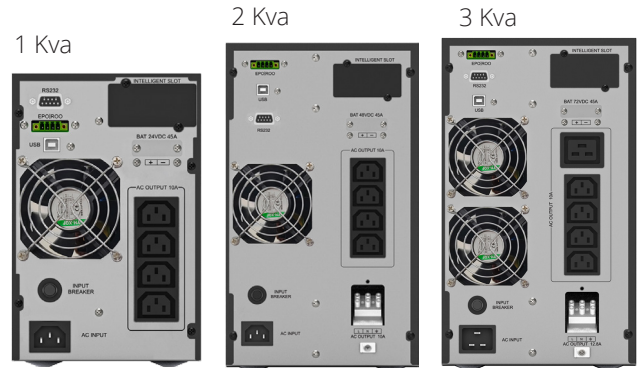
ARES PLUS ECO TOWER

The Ares Plus ECO On-Line Series is an interruptible 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 which permanently supply the loads. Computers and peripherals are thus power entirely by the mains voltage.



Rear view:



Highlights:

- True Double conversion design with high adaptability to harsh mains conditions.
 - Programmable LCD display for quick UPS parameters configuration.
 - Wide 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.
- Variis communication ports for easy management.
Certificates CE.

Specifications

MODEL		ARPLUS-ECO1002	ARPLUS-ECO2002	ARPLUS-ECO3002	
Input	Input voltage	208/220/230/240 Vac			
	Voltage range	90~275 Vac			
	Frequency range	40~70 Hz			
	THDi	≤5%			
	Power factor	>0.99%			
Output	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W	
	Voltage	208/220/230/240 Vac			
	Power factor	0.9			
	Regulation	±1%			
	Frequency range	50/60 ± 4Hz (Sync mode) 50/60 ±1% Hz (Fixed frequency mode)			
	Crest factor	3:1			
	Overload	100~105% constant, 106~125% ≤60 seg. 126~150 ≤30 seg.			
	Armonic distortion THDv	< 2% with linear loads			
	Wave form	Pure Sine Wave			
Outlets	NEMA type	4- IEC-C13 1- IEC-C14	4- IEC-C13 1- Hard Wire 1- IEC-C14	4- IEC-C13 1- IEC-C19 1- H/W 1- IEC-C20	
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 measurement	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)			
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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°C / 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	Safety	IEC EN 62040-1			
	EMC	EN62040-2, EN61000-3, EN61000-3-3			
	Marks	CE			

*Specifications subject to change without notice.