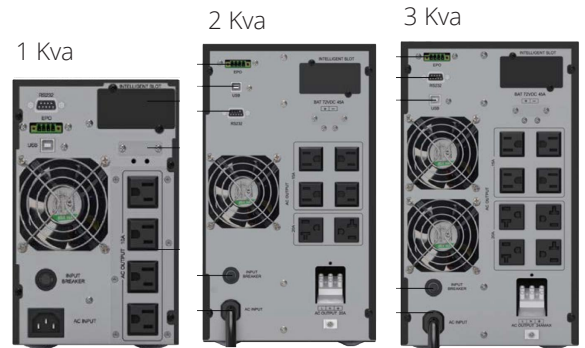# Arplus-Eco

True Online UPS Double Conversion

ARES PLUS ECO TOWER

Ares Plus ECO has a number of smart features that increase battery life. Thanks to the new battery discharge protection control function, it is perfect for applications in PCs, Servers, Medical Equipment and Telecommunications.

Rear view:

1 Kva 2 Kva 3 Kva

DISCHARGE LEVEL CONTROLA

1) Set the battery discharge percentage (3-100%)

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

3) The UPS will be able to cold start with the pre-programmed battery reserve.

SERVER   NETWORKS   SUB ESTATIONS   HEALTH   AUDIO/VIDEO

Highlights:

• OnLine Topology provides the best protection.
• DSP control offers more functionality and precision
• Wide voltage range increases battery life
• Active current harmonic control keeps power lines clean.
• Intelligent silent cooling design.
• Programmable backup time estimation.
• Multiple mode of operation for better. adapt+ ability.
• Option for external battery banks.
• Easy operating system update. extends the life of the UPS.

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	3 min full load / 8 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
	Dimentiones (WxHxD) — 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.