



Mars Eco RT

AB-MS-ECO6000RT
AB-MS-ECO10000RT

The Mars Eco series are made from 100% recycled materials.
It incorporates new technologies that achieve reduced size and weight using fewer resources for its construction.
True Online Double Conversion technology provides the best available protection to sensitive loads by providing a pure and clean power source at all times.



CARGA
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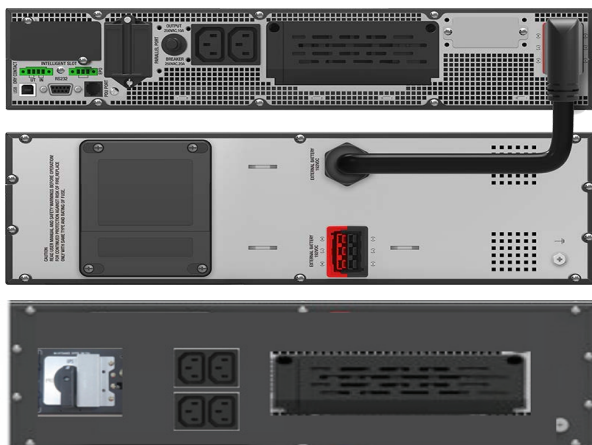


GOBIERNO



EDUCACION

Rear view



Highlights:

- Double conversion design with the highest adaptability to extreme network conditions
- $FP=1(VA=W)$
- High efficiency results in energy savings by offering an ECo mode of operation.
- Built-in OVCD protection, fan lock and overheat detection
- Overload detection and warning to improve product reliability.
- USB HID allows UPS monitoring without software installation
- Intelligent communication slot allows remote monitoring
- Capacity for growth and redundancy with Parallel card (maximum 3 units)
- Adjustable battery chains 192~240 Vdc
- LCD screen with up to 100 historical events
- UL1778 and CE certifications

MODEL			AB-MS-ECO6000RT	AB-MS-ECO10000RT
Input	Voltage Range		160-275V 100% load, 110-160V derating to 50% load linearly	
	Frequency Range		40 Hz~70 Hz ~60% nominal load; 45 Hz~55 Hz, 54 Hz ~66 Hz >60% nominal load	
	Phases		Single phase 2W+G (L+N+G) o (L+L+G)	
	Harmonic distortion THDi		<3.5% lineal load and <5% non linear loads	
	Power Factor		≥ 0.99 @ Full Load	
Output	Capacity		6000VA/6000W	10000VA/10000W
	Voltage		110/115/120/208/220/230/240V with isolation transformer	
	Power Factor		1	
	Harmonics distortion THD		<2% with linear load and <8% with non-linear load	
	Voltage Regualtion		±1%	
	Frequency Range		50/60 Hz	
	Crest Factor		3:1	
	Wave type		Pure senusoidal Wave	
E`ciency	Online mode		System 90% (UPS 95%)	
	High e`ciency mode		System 93% (UPS 98%)	
Battery	Type		Sealed lead and acid VRLA AGM	
	Number		16 batteries 12V / 7Ah (settable to 20 pcs)	16 batteries 12V / 9Ah (settable to 20 pcs)
	Recharge time		3 hours for 90%	
	Charger		2~12A (4A as default)	
Display	LED + LCD		Line Mode, Backup Mode, ECO Mode, Bypass Supply, Low Battery, Defective/disconnected battery, overload and transfer with interruption and UPS failure	
	LCD readings		Input voltage, input frequency, output voltage, output current, output frequency, Charge percentage, battery voltage, internal temperature, estimated backup time, 100 events	
	Auto-Diagnostics		After power on, manual control by panel and communication, routine check	
Alarm	Audiovisuals		Line Failure / Low Battery / Transfer to Bypass / System Failure	
Protection	Total Potection for		Overload, over temperature, short circuit, charging failure, battery disconnected	
Functions	Multiple modes		Normal / ECO / CVCF (Constant Voltage / Constant Frequency)	
	Cold start		Yes	
	Parallel capacity		up to 3 units	
	Parallel redundancy		2+1	
Physicals	Dimensions (WxHxD,mm/inch)	Power	2U 438 x 86.3 x 573	2U 438 x 86.3 x 573
		Battery	3U 438 x129 x 593	3U 438 x129 x 593
		Transformer	2U 438 x86.3 x 573	3U 438 x129 x 573
	Net weight (kg/lbs)	Power	14/ 30.8	16 / 5.2
		Battery	52 / 114.5	52 / 114.4
		Transformer	35 / 77	50 / 110
Enviromental	Temperature		0~50°C(power derating to 50%@40~50°C)	
	Humidity		0%~95%RH (without condensation)	
	Altitude		~1000m, no derate, from 1000~3000m, capacity derates 1% every 100m	
	Noise		50 dBA @ 1 meter	55 dBA @ 1 meter
Interface	Standard		USB, EPO, ROO, RS232, cards slots	
	Additional protocolos		J-Bus, Modbus, SEC	
	Slot options		Cards RS232, RS485, Dry contacts , SNMP/WEB	
	Compatible plataforms		Microsoft Windows series, Linux, Mac, etc.	
Standars and Certiycations	Safety		cTUVus/UL1778, CE/EN62040	
	EMI		IEC/EN 62040-2: 2006 Category C3	
	EMS		IEC/EN 61000-4-2, & 3 nivel3: IEC/EN 61000-4-4 & 5: 2006 Level 4	
	Marks		CE, UL, cUL, FCC	