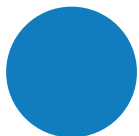




# DC-Series PoE UPS

Specially designed to provide uninterrupted power to telecommunication and security equipment, with its internal lithium battery controlled and protected by micro-processor, automatically delivers voltages of 9 Vdc and 12 Vdc to peripherals. Power backup especially for Routers, Modems, VOIP phone system, Remote Security Devices, Web Cams, Access Control System, Fanless Embedded System (IPC), Raspberry Pi. AB-MVE for Ethernet Surge protection, AB-MVPOE for POE Webcam and POE WiFi Router



OFFICE USE



COMPUTERS &  
PERIPHERALS



ELECTRONICS



SURVILLANCE

## Highlights:

- Real time backup.
- 9V/12V/12W rated power
- Cold Start Function.
- 5V/1A USB Charger.
- Uses IC battery protection.
- LED Indicators.
- Ethernet Surge Protection (AB-MVE only)
- Passive 15/24 Vdc POE (AB-MVPOE only)
- Protections: Over Discharge, Overload, Short Circuit, Over Charge

## AB-MV Series Specifications

### PoE - Ethernet Surge Protection - DC UPS

MODEL	AB-MVPOE88	AB-MVPOE100	AB-MVE88	AB-MVE100	AB-MV88	AB-MV100
<b>Input</b>	Voltage	9 Vdc or 12 Vdc				
	Max Rated Power	9V/18W or 12V/24W				
	9 Vdc Voltage Line	Low Voltage Transfer Battery Mode $\leq 8.4Vdc$ ; Low Voltage Recover Line Mode $\geq 8.6Vdc$				
	12 Vdc Voltage Line	Low Voltage Transfer Battery Mode $\leq 11.2Vdc$ ; Low Voltage Recover Line Mode $\geq 11.4Vdc$				
<b>Power Output</b>	Rated Power	15 W				
	Clamping protection	Clamping Voltage 30Vdc				
	DC Output #1	Follow input voltage				
	- Interface	5.5mm*2.1mm				
	- Rated Power	9V/1.33A/12W or 12V/1A/12W (Manual Select)				
	- Voltage	Same as Input Voltage(9Vdc $\pm 5\%$ or 12Vdc $\pm 5\%$ )				
	- Output cord	Jack: 5.5mm x 2.1mm 20Awg ; L:300 mm				
	DC Output #2	5Vdc $\pm 5\%$				
	- Rated Power	1A / 5W				
	- Interface	USB A-Type				
	DC Output #3	15/24Vdc POE	N/A	N/A	N/A	N/A
	-Type	Passive PoE output(Manual Select)	N/A	N/A	N/A	N/A
	-Voltage	15Vdc or 24Vdc Hot Switching	N/A	N/A	N/A	N/A
	-Rated Power	15V: 10.5W/0.7A ; 24V: 16.8W/0.7A	N/A	N/A	N/A	N/A
	-Terminal	2 RJ45 Ports :1 Data IN /1 Data + Power Out	N/A	N/A	N/A	N/A
	-Polarity	"+" 4,5 pins ; "-" 7,8 pins	N/A	N/A	N/A	N/A
Ethernet Surge Protector	N/A	N/A	YES	YES	N/A	N/A
<b>Battery</b>	Type	Lithium-Ion 18650 Type Battery				
	Voltage	7.4 VDC				
	Capacity	32.6Wh - 8,800mAh(2S2P: 2200mAh x 4pcs) for AB-MVPOE88, AB-MVE88, and AB-MV88. 37.0Wh - 10,000mAh(2S2P: 2500mAh x 4pcs) for AB-MVPOE100, AB-MVE100, and AB-MV100				
<b>Indicators</b>	LED	Constant Green: Power On / Flashing Green: Charging Constant Yellow: Backup Mode Red Light: Fault				
<b>Protection</b>	Input	Over- Voltage, Short Circuit Protection				
	Output	MCU for Over- Charge, Over- Discharge, Over-Load, Short Circuit Protection				
	Battery	Battery Protection IC for Over- Charge, Over- Discharge, Over-Load, Short Circuit Protection				
<b>Output cord</b>	Output cord	DC Power Cord : Jack 5.5mm x 2.1mm 20Awg ; L:300 mm				
<b>Dimension</b>	L x W x H (mm)	107mm x160mm x 29mm				
<b>Case</b>	Material	ABS 94V0				
	Color	Black / White				

\*Specifications subject to change without notice.

## AB-MVPOE-MVE-MV-A Series (input AC adapter) PoE - Ethernet Surge Protection - CD UPS

MODEL		AB-MVPOE88	AB-MVPOE100	AB-MVE88	AB-MVE100	AB-MV88	AB-MV100
<b>Input</b>	Voltage	Input: 100~240Vac, 50/60Hz (12V/2A/24W Adapter - US/EU/UK Type Plug)					
<b>Power Output</b>	Rated Power	15 W					
	Clamping protection	Clamping Voltage 30Vdc					
	DC Output #1	Follow input voltage					
	- Interface	5.5mm*2.1mm					
	- Rated Power	9V/1.33A/12W or 12V/1A/12W (Manual Select)					
	- Voltage	Same as Input Voltage(9Vdc ±5% or 12Vdc ±5%)					
	- Output cord	Jack: 5.5mm x 2.1mm 20Awg ; L:300 mm					
	DC Output #2	5Vdc ±5%					
	- Rated Power	1A / 5W					
	- Interface	USB A-Type					
	DC Output #3	15/24Vdc POE	N/A	N/A	N/A	N/A	N/A
	-Type	Passive PoE output(Manual Select)	N/A	N/A	N/A	N/A	N/A
	-Voltage	15Vdc or 24Vdc Hot Switching	N/A	N/A	N/A	N/A	N/A
	-Rated Power	15V: 10.5W/0.7A ; 24V: 16.8W/0.7A	N/A	N/A	N/A	N/A	N/A
-Terminal	2 RJ45 Ports :1 Data IN /1 Data + Power Out	N/A	N/A	N/A	N/A	N/A	
-Polarity	"+" 4,5 pins ; "-" 7,8 pins	N/A	N/A	N/A	N/A	N/A	
Ethernet Surge Protector		N/A	N/A	YES	YES	N/A	N/A
<b>Battery</b>	Type	Lithium-Ion 18650 Type Battery					
	Voltage	7.4 VDC					
	Capacity	32.6Wh - 8,800mAh(2S2P: 2200mAh x 4pcs) for AB-MVPOE88, AB-MVE88, and AB-MV88. 37.0Wh - 10,000mAh(2S2P: 2500mAh x 4pcs) for AB-MVPOE100, AB-MVE100, and AB-MV100					
<b>Indicators</b>	LED	Constant Green: Power On / Flashing Green: Charging Constant Yellow: Backup Mode Red Light: Fault					
<b>Protection</b>	Input	Over- Voltage, Short Circuit Protection					
	Output	MCU for Over- Charge, Over- Discharge, Over-Load, Short Circuit Protection					
	Battery	Battery Protection IC for Over- Charge, Over- Discharge, Over-Load, Short Circuit Protection					
<b>Output cord</b>	Output cord	DC Power Cord : Jack 5.5mm x 2.1mm 20Awg ; L:300 mm					
<b>Dimension</b>	L x W x H (mm)	107mm x160mm x 29mm					
<b>Case</b>	Material	ABS 94V0					
	Color	Black / White					

\*Specifications subject to change without notice.