



ARCHEAN TECHNOLOGIES

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BVSMP/LT

VOICE ALARM POWER SUPPLIES Power + battery loader included

EN54-24

MADE IN 

5 years warranty

- BVSMP modules are fully compliant to EN54, EN 60849 & BS5839 pt 8 standard. Both units in the range employ 'switch mode' techniques to improve efficiency and reduce unwanted heat dissipation and weight. Rack 19" mounting with BVMF mounting.
- Several chargers may be paralleled when used for larger systems
- Continual monitoring of the charger and all DC outputs ensures reliability



- Special output to connect to our Matrix BVRD2M & BVRD2M4 Outputs protection at 24V
- In the event of a fault condition an internal relay releases, providing a changeover contact. A fault will be indicated on the EVAS router
- Provide independent power converters with current and over-voltage protection circuits
- Outputs : The BVSMP has two individually protected outputs at 24V; the BVSMP/LT has one.
- BVSMP : 2 x BV225, 2 x BV125D, 2 x BV050Q
- BVSMP/LT : 1 x BV225, 1 x BV050Q, 1 x BV125D
- Continual monitoring of the charger and all DC outputs ensures reliability
- Standby batteries are continually 'float charged' by the unit. Ensuring that, in the event of mains failure, power is maintained.
- BVSMP : 2 x 24 V protected outputs to supply 2 amplification blocks
- BVSMP/LT : 1 x 24 V protected output to supply 1 amplification block
- Battery deep discharge cut off
- Extra BVSMP can be linked in parallel for bigger systems
- BVP is the power supply when no compliance to EN54 is required

BVSMP/LT

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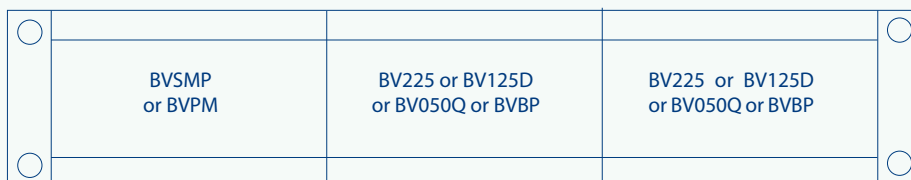
Technical specifications		
	BVSMP	BVSMPLT
AC supply input voltage	200 V - 250 V 50-60 Hz	
Maximum power consumption	700 VA	350 VA
Maximum in-rush current @ 230V	18 A	9 A
DC output 1 to amplifier 1	31 V @ 12 A	
DC output 2 to amplifier 2	31 V @ 12 A	n/a
DC output 3 to auxiliary mixers, etc	31 V @ 2 A	31 V @ 1 A
Voltage @ 20°C	27,1 V	
Temperature compensation	- 66 mV / C	
Maximum current	3 A	
Battery low fault voltage	29 V	
Battery high fault voltage	21 V	
Battery deep discharge cut off voltage	16 V	
Fuse protection		
AC supply (5 x 20mm)	2 x 3,15 A (T)	1 x 3,15 A (T)
Battery (automotive blade)	2 x 20 A	1 x 20 A
Charger input (self-resettable)	6 A	
Charger output(self-resettable)	4 A	
Auxiliary output (self-resettable)	2 x 1,1 A	1 x 1,1 A
Terminations		
AC supply input IEC 6A	IEC 6 A filtered connector	
24V battery input	3-pin screw terminated connector	
DC outputs & fault relay contacts	9-pin crimp terminated connector	
Front panel indicator	AC supply OK Fuse Charger High Low	AC supply 'on' No fault Fuse fault Charger fault Battery voltage high fault Battery voltage low fault
Dimensions	148 x 48 x 177 - 2U	

BVMF 19" mounting mainframe

The BVMF permits to mount amplifiers with their power supply in a 19" rack.

Several combinations are possible according to the customer's needs. We recommend to use the BVSMP in case of an Evac systems or BVPM if compliance with EN54 is required.

Standby batteries are continually 'float charged' by the unit. Ensuring that, in the event of mains failure, power is maintained. The drawing hereunder illustrates the several mountings :



BVBP = blank panel 1/3 19"