HAWKER

Product information

The new PowerSafe V range of valve regulated lead acid batteries has been designed specifically for use in applications which demand the highest levels of security and reliability. With proven compliance to the most rigorous international standards, PowerSafe V is recognised worldwide as the premium battery for Telecom/IT applications. PowerSafe's reputation for long service life, combined with excellent high rate performance, also makes it the number one choice for high integrity, high specification UPS systems.

PowerSafe V delivers superior performance whilst occupying less space than conventional standby power batteries. The use of V0 rated, flame retardant, ABS plastic for the thick wall containers and lids offers high mechanical strength with good safety features.

The PowerSafe V Front Terminal monobloc's compact design and standard footprint, suitable for 19'', 23'' and ETSI racking, gives users the option of increased energy density. With all electrical connections at the front, installation and inspection are simpler and quicker.

PowerSafe V

FRONT TERMINAL

Range Summary

Hawker has earned an international reputation for quality and reliability based on more than 100 year's experience in the manufacture of batteries, and is at the forefront of new product design to meet customer's increasing technical requirements.

PowerSafe batteries are designed using proven gas recombination technology which removes the need for regular water addition by controlling the evolution of hydrogen and oxygen during charging. Oxygen evolved at the positive plates diffuses through microporous separators to the negative plates, and, by a series of chemical reactions within the cell, recombines to form water. Each cell incorporates its own safety valve, which allows controlled, negligible gas release when excess pressure builds up within the cell.

The use of gas recombination technology for lead acid batteries has totally changed the concept of standby power.

This technology provides the user with the freedom to use lead acid batteries in a wide range of applications.

The minimal level of gas evolution allows battery installation in cabinets or on stands, in offices or near main equipment, thus maximising space utilisation and reducing storage and maintenance costs.

Features and Benefits

- positive and negative plates in lead-calcium tin alloy
- lid and case in strong flame retardant ABS
- terminals with brass inserts for maximum conductivity and with high compression grommet for long life
- pressure relief valve complete with integral flame arrestor
- available in monoblocs from 50-155Ah at 10 hour rate to 1.80Vpc at 20°C
- six months shelf life at 20°C

Installation

- easy access to installation and maintenance
- in cabinets or on stands close to the point of use. No separate battery room necessary
- ideal for installation as an integral part of a standby system due to its long life

Reduced maintenance

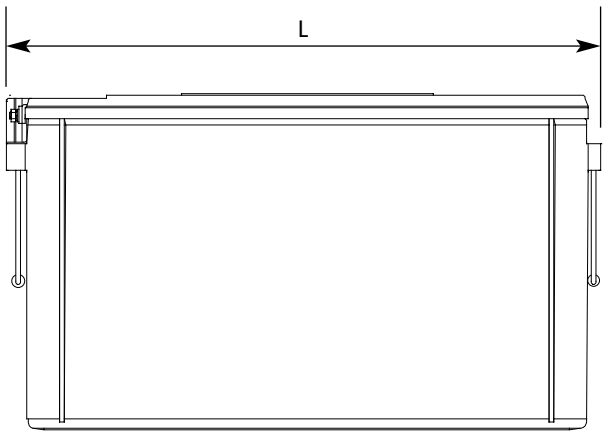
- no water addition

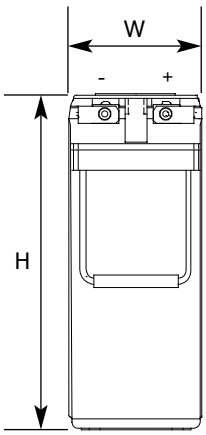
Standards

- compliant with international standards BS 6290/4 and IEC 896/2
- classified as long life according to the Eurobat Guide 1999
- able to be shipped as non-hazardous cargo in accordance with the requirements of IMDG (International Maritime code for Dangerous Goods) and OICA (Organisation of International Civil Aviation)
- Hawker production facilities worldwide are certified to IS0 9001

Range Summary

Type	Nominal Voltage (V)	Nominal Capacity (Ah) @ 20°C		Dimensions (mm)			Weight (kg)
		C_{10} to 1.80Vpc	C_3 to 1.80Vpc	Length	Width	Overall Height	
12V50F	12	50	41	280	105	280	25
12V52F	12	52	42	390	105	228	26
12V65F	12	65	53	390	125	228	31
12V80F	12	80	64	558	105	228	40
12V82F	12	80	66	390	125	256	37
8V100F	8	100	80	384	125	228	32
12V100F	12	100	80	558	125	228	48
12V105F	12	105	87	561	125	235	46
12V125F	12	125	103	561	105	316	56
12V155F	12	155	129	561	125	316	67





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