

# Powerfit S100 / S100L

## Technical data sheet

### Technical features:

- Rechargeable VRLA batteries in which the electrolyte is fixed in a glass mat (AGM technology)
- Perfect combination of energy storage performance and reliability
- 10 years design life for S100L models and 5 years design life for S100 models at 20 °C ambient temperature (80% remaining capacity)
- Maintenance-free (no topping up) during the whole service life
- Grid plate construction consisting of a lead calcium alloy
- Low gas emission due to high gas recombination of 99%
- Low self-discharge rate (about 3% / month at 20 °C)

### Standards & certifications:

- S100 (part number NAS1):  
EUROBAT 2015: 3-5 years standard commercial
- S100L (part number NASL):  
EUROBAT 2015: 10/12 years long life
- 400 cycles at 60% DOD
- Container in ABS-UL 94 HB Material - no V-0 available
- No restrictions for rail, road, sea, and air transportation (IATA, DGR clause A67) – trouble-free transportation of operational blocks
- Designed in accordance with IEC 60896-21/22
- Completely recyclable



Nominal capacity  
7.2-25,4 Ah



Block battery



Grid plate



Recyclable



Valve regulated  
lead-acid  
batteries



Maintenance-free  
(no topping up)

### Technical characteristics and data

Type	Part number	Nom. voltage V	Nominal capacity			Length* (l) max. mm	Width* (w) max. mm	Height* (h) max. mm	Weight approx. kg	Internal-resistance acc. to IEC 60896-21 mOhm	Max. discharge current f. 5 sec. A	Terminal
			C <sub>20</sub> 1.80 Vpc 25 °C Ah	C <sub>10</sub> 1.75 Vpc 25 °C Ah	C <sub>1</sub> 1.6 Vpc 25 °C Ah							
S112/7.2 S	NAS11207D2VW0SA	12	7.20	6.82	4.44	151	65.0	99.0	2.35	22.0	108	S-4.8
S112/7.2 SR	NAS11207D2VW0RA	12	7.20	6.82	4.44	151	65.0	99.0	2.35	22.0	108	SR-6.3
S112/9 SR	NAS1120009VW0RA	12	9.00	8.06	5.31	151	65.0	99.0	2.45	18.0	127.5	SR-6.3
S112/7L SR	NASL120007HW0RA	12	7.42	7.1	4.3	151	65	99	2.45	23.0	105	SR-6.3
S112/12L SR	NASL120012HW0RA	12	12.0	11.7	7.38	151	98	101	3.5	27.0	180	SR-6.3
S112/18L F5	NASL120018HW0FA	12	18.0	17.7	11.1	181.5	76.5	167.5	5.7	24.0	270	F-M5
S112/25L F5	NASL120025HW0FA	12	25.4	24.2	14.8	166	175	125	7.8	14.0	360	F-M5

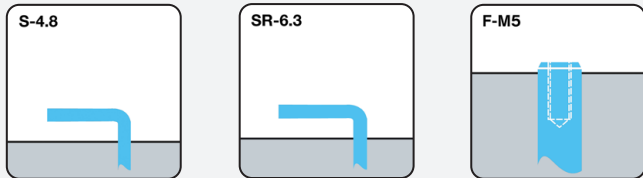
\* ± 2 mm

# Powerfit S100 / S100 L

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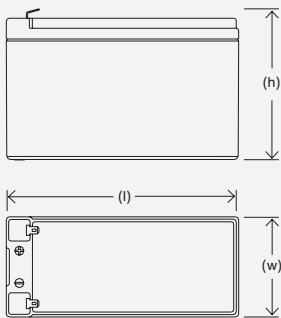
### Container and terminal

ABS-Flammability rate UL 94 HB  
no V-0 available on S100 and S100L

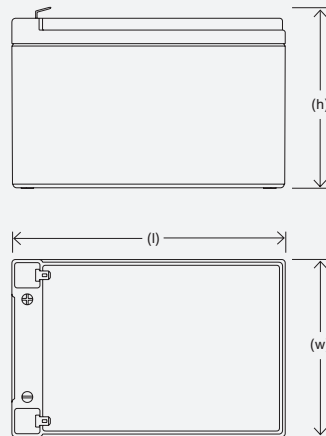


### Drawings

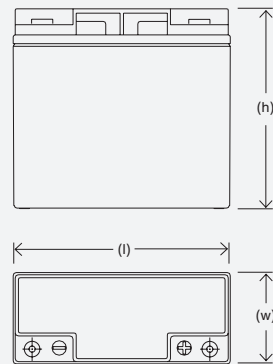
S112/7.2 S  
S112/7.2 SR  
S112/9 SR  
S112/7L SR



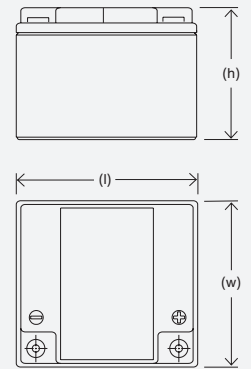
S112/12L SR



S112/18L F5



S112/25L F5



Not to scale!