Powerfit™

Industrial Batteries – Network Power
Powerfit S300
Compact energy for more security.

Specifications

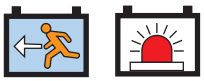
EXIDE TECHNOLOGIES
INDUSTRIAL ENERGY

Powerfit™

Energy source with high performance and all-round qualities.

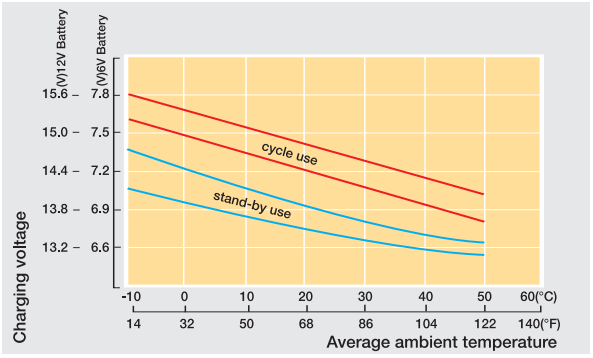
Specifications

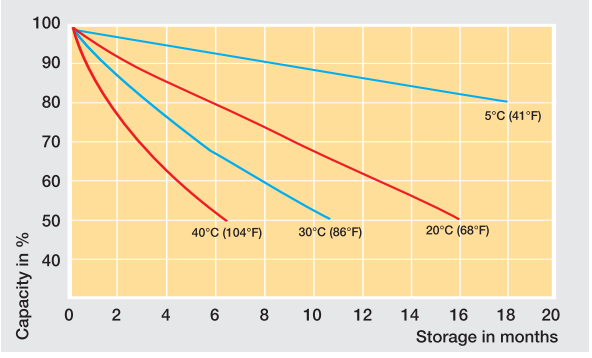
- Rechargeable VRLA-batteries with an electrolyte retained in a glass mat with a very fine glass fibre structure
- Perfect combination between energy storage performance and reliability
- Maintenance-free (no topping up) during the whole service life
- Nominal capacity 1.2–40 Ah
- 5 years design life at 20°C ambient temperature (80% remaining capacity)
- Case material acc. to UL 94 V-2
- In compliance with IEC 896-2
- Grid plate construction consisting of a lead calcium alloy
- Low gas emission due to high gas recombination rate of 99%
- Low self-discharge rate (about 3% / month at 20°C)
- Proof against deep discharge according to DIN 43 539 T5
- Trouble-free transportation of operational blocks, no restrictions for most rail, road, sea and air transportation (IATA, DGR clause A 67)
- Completely recyclable



Applications

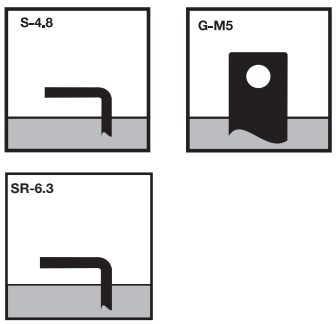
As well as their suitability for general applications in security systems, the Powerfit S300 batteries can be a reliable energy source for emergency lighting.





Container, approval and terminal

Container: UL 94 V-2 = ABS
Approval: VdS (Types see right side)

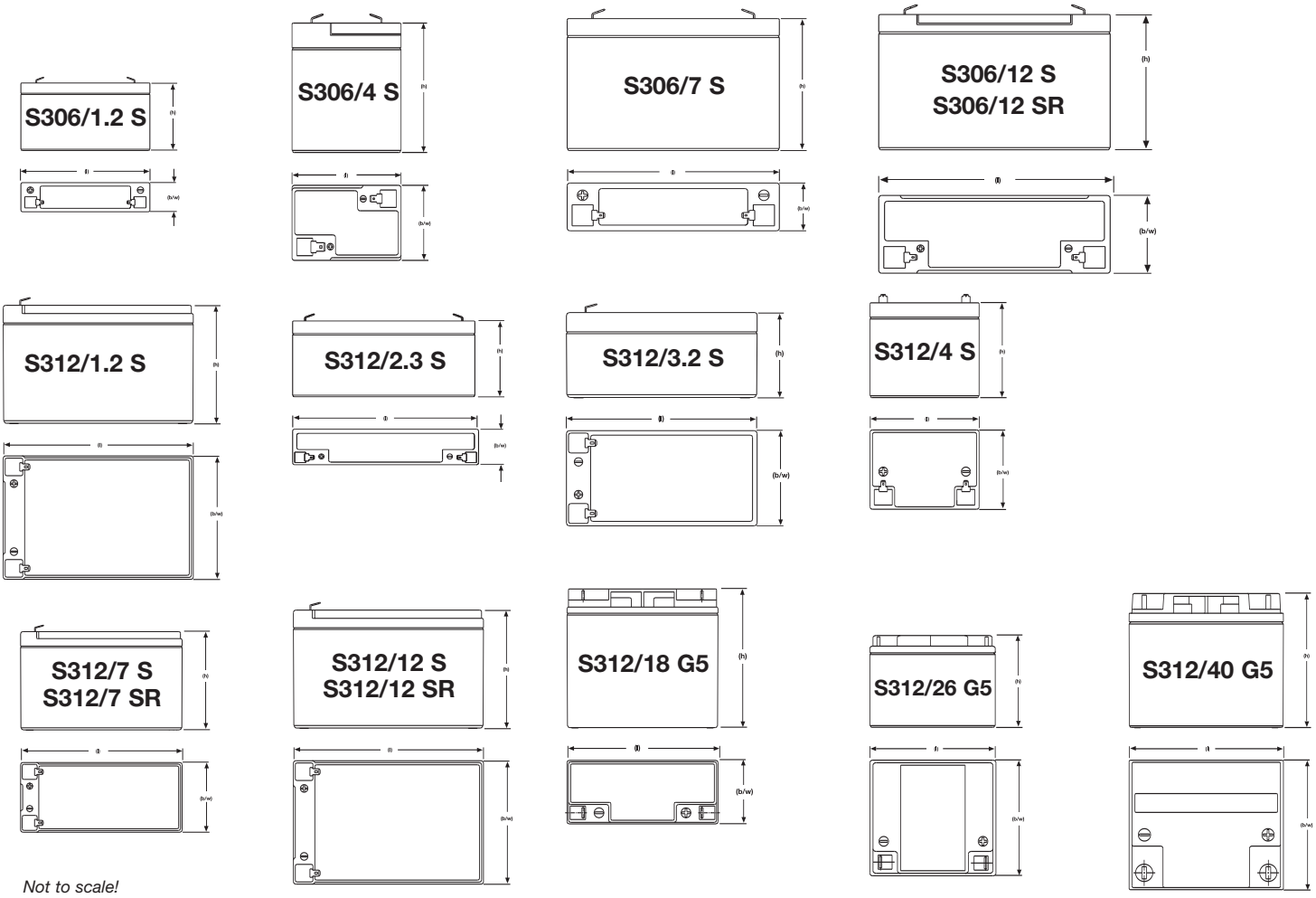


Technical characteristics and data

Type	Part number	Nominal voltage	Capacity			Length* (l)	Width* (b/w)	Height** (h)	Weight	Internal resistance acc. to IEC 60896-21	Max. dis. current f. 5 sec.	Terminal	VdS approval
			C_{20} 1.75 V/C 20°C	C_{10} 1.75 V/C 20°C	C_1 1.6 V/C 20°C				approx.				
		V	Ah	Ah	Ah	mm	mm	mm	kg	mΩ	A		
S306/1.2 S	NAS30601D2VW0SC	6	1.20	1.13	0.78	97	25	56	0.30	167	18	S-4.8	
S306/4 S	NAS3060004VW0SC	6	4.00	3.80	2.62	70	47	106	0.85	56.2	60	S-4.8	
S306/7 S	NAS3060007VW0SC	6	7.00	6.64	4.58	151	34	100	1.30	35.7	105	S-4.8	
S306/12 S	NAS3060012VW0SC	6	12.0	11.4	7.86	151	50	100	2.05	20.8	180	S-4.8	G 103024
S306/12 SR	NAS3060012VW0RC	6	12.0	11.4	7.86	151	50	100	2.05	20.8	180	SR-6.3	G 103024
S312/1.2 S	NAS31201D2VW0SC	12	1.20	1.13	0.78	97	45	59	0.59	333	18	S-4.8	G 103047
S312/2.3 S	NAS31202D3VW0SC	12	2.30	2.19	1.50	178	34	65	0.94	179	34	S-4.8	G 103026
S312/3.2 S	NAS31203D2VW0SC	12	3.20	3.00	1.96	134	67	66	1.30	138	45	S-4.8	G 102103
S312/4 S	NAS3120004VW0SC	12	4.00	3.80	2.62	90	70	106	1.67	114	60	S-4.8	
S312/7 S	NAS3120007VW0SC	12	7.00	6.64	4.58	151	65	98	2.60	67.1	105	S-4.8	G 101125
S312/7 SR	NAS3120007VW0RC	12	7.00	6.64	4.58	151	65	98	2.60	67.1	105	SR-6.3	G 101125
S312/12 S	NAS3120012VW0SC	12	12.0	11.4	7.86	151	98	98	4.03	40.9	180	S-4.8	G 102105
S312/12 SR	NAS3120012VW0RC	12	12.0	11.4	7.86	151	98	98	4.03	40.9	180	SR-6.3	G 102105
S312/18 G5	NAS3120018VW0BC	12	18.0	16.1	11.1	181	76	166	6.15	29.6	255	G-M5	G 103016
S312/26 G5	NAS3120026VW0BC	12	26.0	24.7	17.0	166	175	125	9.40	19.7	390	G-M5	G 102107
S312/40 G5	NAS3120040VW0BC	12	40.0	37.9	26.2	196	165	171	14.3	14.7	600	G-M5	G 102109

* +/-2mm ** +/-3mm

Dimensions



Not to scale!