



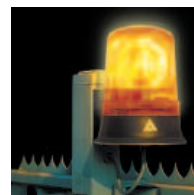
Industrial Batteries – Network Power  
Powerfit S300  
Compact energy for more security.

Specifications

# Energy source with high performance and all-round qualities.

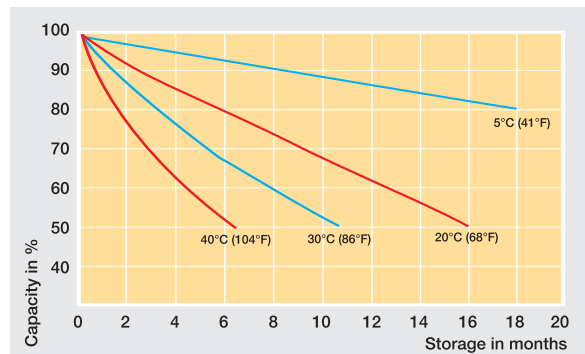
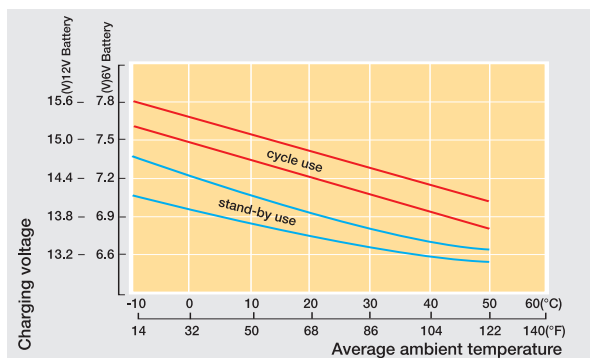
## Specifications

- 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



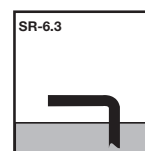
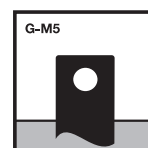
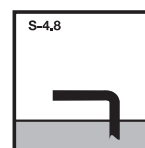
## Applications

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)



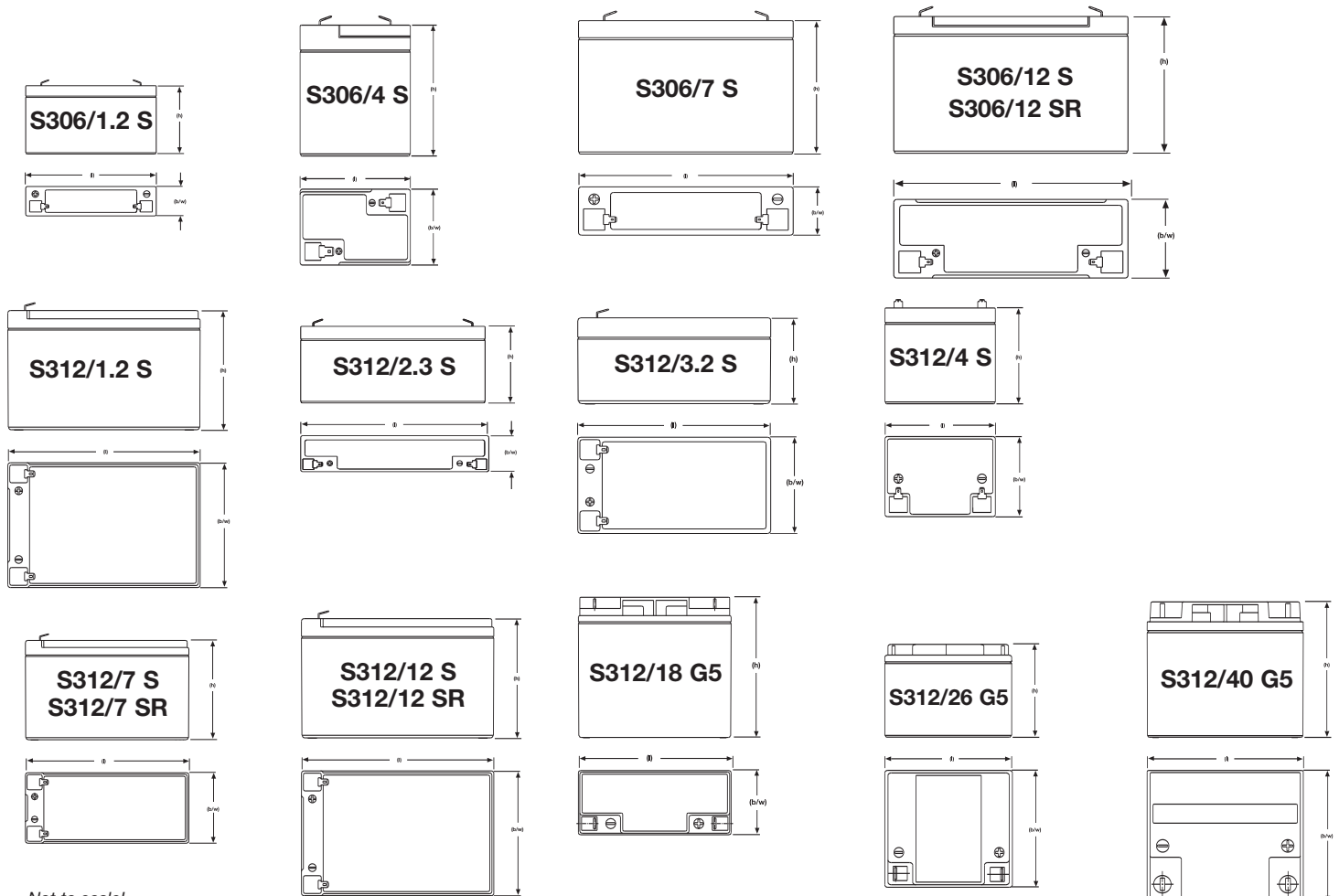
## Technical characteristics and data

Type	Part number	Nominal voltage V	Capacity			Length* (l) mm	Width* (b/w) mm	Height** (h) mm	Weight approx. kg	Internal resistance acc. to IEC 60896-21 mΩ	Max. dis. current f. 5 sec. A	Terminal	VdS approval
			C20 1.75V/C 20°C Ah	C10 1.75V/C 20°C Ah	C1 1.6V/C 20°C Ah								
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



# Exide Technologies Industrial Energy – The Industry Leader.



Exide Technologies is the global leader in stored electrical energy solutions with subsidiaries in more than 80 countries. Based on over 100 years of experience in technological innovation, we are partners of OEM and serve the spare parts market for industrial and transportation applications.

Our Global Industrial Energy Business Unit offers an extensive range of storage products and services, including solutions for telecommunications

systems, railway applications, mining, photovoltaic (solar energy), uninterruptible power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

Exide Technologies takes pride in its commitment to a better environment. Its Total Battery Management programme, (an integrated approach to manufacturing, distributing and recycling of lead acid batteries), has been developed to ensure a safe and responsible life cycle for all of its products.

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Industrial Energy

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