Powerfit™

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

Specifications

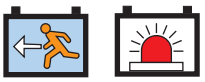
EXIDE TECHNOLOGIES
INDUSTRIAL ENERGY

Powerfit™

Energy source with high performance and all-round qualities.

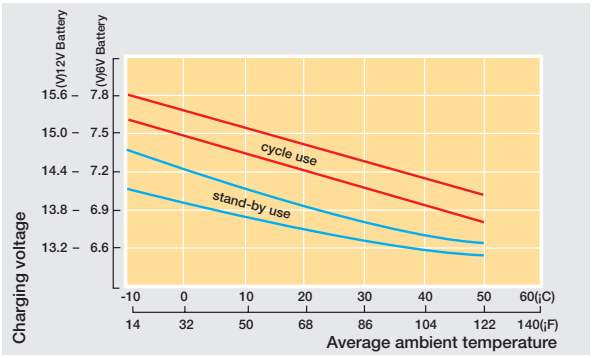
Specifications

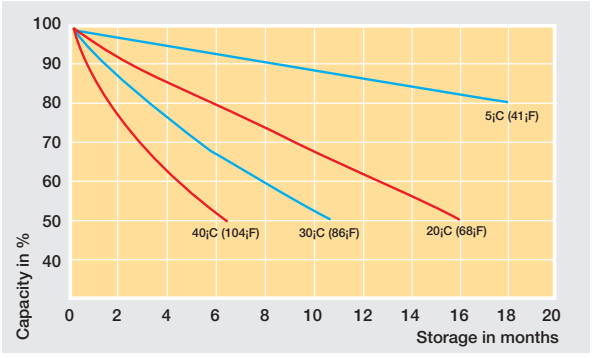
- Rechargeable VRLA-batteries with an electrolyte retained in a glass mat with a very fine glass fibre structure
- Perfect combination between energy storage performance and reliability
- Maintenance-free (no topping up) during the whole service life
- Nominal capacity 1.2–40 Ah
- 5 years design life at 20°C ambient temperature (80% remaining capacity)
- Case material acc. to UL 94-V0
- 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

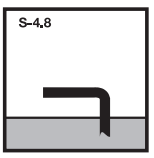
As well as their suitability for general applications in security systems, the Powerfit S300 batteries can be a reliable energy source for emergency lighting.





Container, approval and terminal

Container: UL 94-V0 = ABS
Approval: VdS (Types see right side)

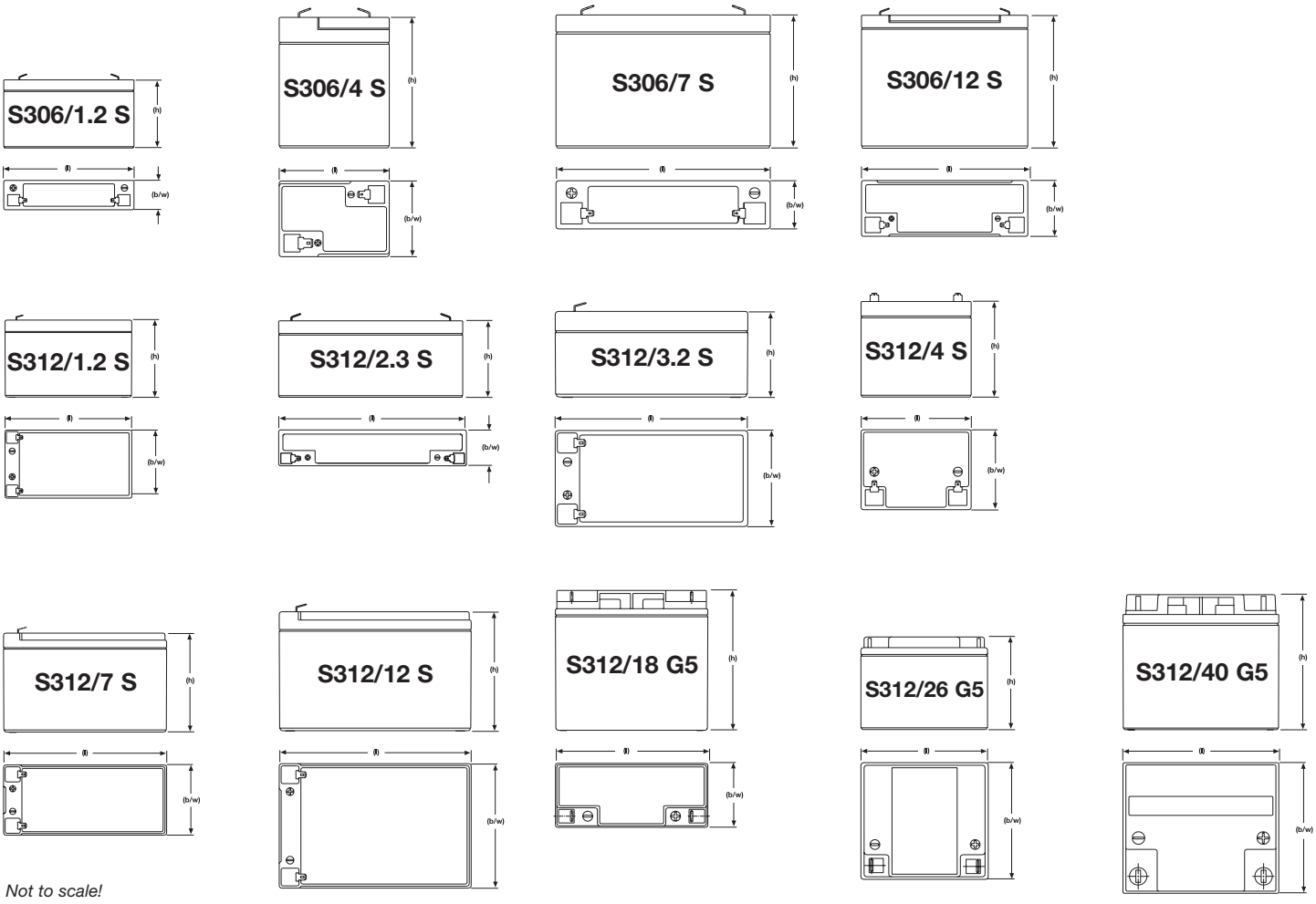


Technical characteristics and data

Type	Part number	Nominal voltage	Capacity			Length* (l)	Width* (b/w)	Height** (h)	Weight	Internal resistance acc. to IEC 896-2	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	1.2	1.10	0.70	97	25	56	0.30	65	18	S-4.8	
S306/4 S	NAS3060004VW0SC	6	4.0	3.80	2.40	70	47	106	0.85	25	60	S-4.8	
S306/7 S	NAS3060007VW0SC	6	7.0	6.65	4.20	151	34	100	1.30	16	105	S-4.8	
S306/12 S	NAS3060012VW0SC	6	12.0	11.40	7.20	151	50	100	2.05	10	180	S-4.8	G 103024
S312/1.2 S	NAS31201D2VW0SC	12	1.2	1.10	0.70	97	45	59	0.59	120	28	S-4.8	G 103047
S312/2.3 S	NAS31202D3VW0SC	12	2.3	2.19	1.38	178	34	65	0.94	75	34	S-4.8	G 103026
S312/3.2 S	NAS31203D2VW0SC	12	3.2	3.00	1.90	134	67	66	1.30	60	45	S-4.8	G 102103
S312/4 S	NAS3120004VW0SC	12	4.0	3.80	2.40	90	70	106	1.67	45	60	S-4.8	
S312/7 S	NAS3120007VW0SC	12	7.0	6.50	4.20	151	65	98	2.60	25	105	S-4.8	G 101125
S312/12 S	NAS3120012VW0SC	12	12.0	11.10	7.20	151	98	98	4.03	18	180	S-4.8	G 102105
S312/18 G5	NAS3120018VW0BC	12	18.0	16.15	10.20	181	76	166	6.15	16	255	G-M5	G 103016
S312/26 G5	NAS3120026VW0BC	12	26.0	24.70	15.60	166	175	125	9.40	10	390	G-M5	G 102107
S312/40 G5	NAS3120040VW0BC	12	40.0	37.20	24.00	196	165	171	14.30	8	600	G-M5	G 102109

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

Dimensions



Not to scale!

Exide Technologies Industrial Energy – The Industry Leader.

ABSOLYTE MARATHON Sprinter Sonnenschein Classic Powerfit

Exide Technologies Industrial Energy is a global leader in stored electrical energy solutions for all major critical reserve power applications and needs. Standby power applications include communication/data networks, UPS systems for computers and control systems, electrical power generation and distribution systems, as well as a wide range of other industrial standby power applications. With a strong manufacturing base in both North America and Europe and a truly global reach (operations in more than 80 countries) in sales and service, Exide Technologies Industrial Energy is best positioned to satisfy your back up power needs locally as well as all over the world.

Based on over 100 years of technological innovation the Industrial Energy Division leads the industry with the most recognized global standby power brands such as Absolyte, Sonnenschein, Marathon, Sprinter, and Flooded Classic. They have come to symbolize quality, reliability, performance and excellence in all the markets served.

Exide Technologies takes pride in its commitment to a better environment. Its Total Battery Management program, 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.

EXIDE TECHNOLOGIES
Industrial Energy

NXWS3PEPDF00204 Subject to alterations.

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