Powerfit™

Industrial Batteries – Powerfit S300

Compact energy for more security.

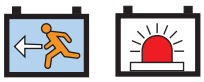
EXIDE TECHNOLOGIES

Powerfit™

Energy source with high performance and all-round qualities.

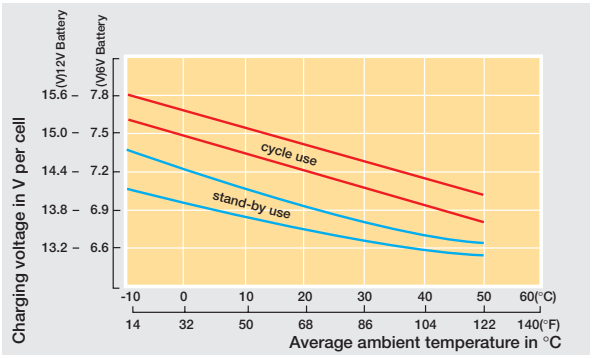
Specifications

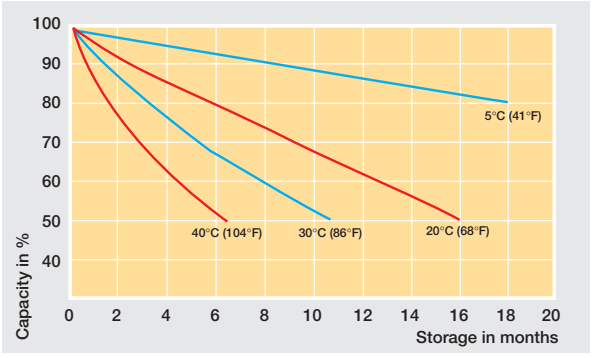
- Rechargeable VRLA-batteries with an electrolyte retained in a glass mat with a very fine glass fibre structure
- Perfect combination between energy storage performance and reliability
- Maintenance-free (no topping up) during the whole service life
- Nominal capacity 1.2–40 Ah
- 5 years design life 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

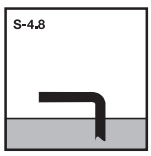
As well as their suitability for general applications in security systems, the Powerfit S300 can be a reliable energy source for emergency lighting.





Container and terminal

Container: UL 94-V0 = ABS



Technical characteristics and data

Standard

Type	Part number	Nominal voltage V	Capacity C_{20} 1.75 V/C 20°C Ah	Capacity C_{10} 1.75 V/C 20°C Ah	Capacity C_1 1.6 V/C 20°C Ah	Length* (l) mm	Width* (b/w) mm	Height** (h) mm	Weight approx. kg	Internal resistance acc. to IEC 896-2 mΩ	Max. dis. current f. 5 sec. A	Terminal	Terminal position
S306/1.2 S	NAS30601D2VW0SC	6	1.2	1.10	0.70	97	25	56	0.30	65	18	S-4.8	2
S306/4 S	NAS3060004VW0SC	6	4.0	3.80	2.40	70	47	106	0.85	25	60	S-4.8	1
S306/7 S	NAS3060007VW0SC	6	7.0	6.65	4.20	151	34	100	1.30	16	105	S-4.8	2
S306/12 S	NAS3060012VW0SC	6	12.0	11.40	7.20	151	50	100	2.05	10	180	S-4.8	2
S312/1.2 S	NAS31201D2VW0SC	12	1.2	1.10	0.70	97	45	59	0.59	120	28	S-4.8	4
S312/2.3 S	NAS31202D3VW0SC	12	2.3	2.19	1.38	178	34	65	0.94	75	34	S-4.8	2
S312/3 S	NAS3120003VW0SC	12	3.0	2.85	1.80	134	67	66	1.30	60	45	S-4.8	4
S312/4 S	NAS3120004VW0SC	12	4.0	3.80	2.40	90	70	106	1.67	45	60	S-4.8	3
S312/7 S	NAS3120007VW0SC	12	7.0	6.50	4.20	151	65	98	2.60	25	105	S-4.8	5
S312/12 S	NAS3120012VW0SC	12	12.0	11.10	7.20	151	98	98	4.03	18	180	S-4.8	5
S312/18 G5	NAS3120018VW0BC	12	18.0	16.15	10.20	181	76	166	6.15	16	255	G-M5	6
S312/24 G5	NAS3120024VW0BC	12	24.0	22.30	14.40	175	166	125	9.40	10	360	G-M5	6
S312/26 G5	NAS3120026VW0BC	12	26.0	24.70	15.60	175	166	125	9.40	10	390	G-M5	6
S312/40 G5	NAS3120040VW0BC	12	40.0	37.20	24.00	196	165	171	14.30	8	600	G-M5	6

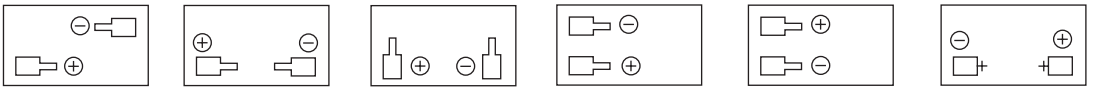
* +/-2mm ** +/-3mm

With VdS approval

Type	Part number	Nominal voltage V	Capacity C_{20} 1.75 V/C 20°C Ah	Capacity C_{10} 1.75 V/C 20°C Ah	Capacity C_1 1.6 V/C 20°C Ah	Length* (l) mm	Width* (b/w) mm	Height** (h) mm	Weight approx. kg	Internal resistance acc. to IEC 896-2 mΩ	Max. dis.current f. 5 sec. A	Terminal	Terminal position
S306/10 S	NAS3060010VW0SA	6	10.0	9.3	6.0	151	50.0	97.5	2.00	7	150	S-4.8	2
S312/1.2 S	NAS31201D2VW0SA	12	1.2	1.1	0.7	97	47.5	55.0	0.57	120	18	S-4.8	4
S312/2 S	NAS3120002VW0SA	12	2.0	1.9	1.2	178	34.0	64.0	0.91	60	30	S-4.8	2
S312/3.2 S	NAS31203D2VW0SA	12	3.2	3.0	1.9	134	67.0	63.5	1.40	40	48	S-4.8	4
S312/7 S	NAS3120007VW0SA	12	7.0	6.5	4.2	151	65.0	97.5	2.50	30	105	S-4.8	5
S312/12 S	NAS3120012VW0SA	12	12.0	11.1	7.2	151	98.0	97.5	4.00	15	180	S-4.8	5
S312/18 G5	NAS3120018VW0BA	12	18.0	16.7	10.8	181	76.0	167.0	6.20	11	270	G-M5	6
S312/24 G5	NAS3120024VW0BA	12	24.0	22.3	14.4	175	166.0	125.0	8.70	10	360	G-M5	6
S312/40 G5	NAS3120040VW0BA	12	40.0	37.2	24.0	197	165.0	170.0	14.00	8	600	G-M5	6

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

Terminal position



Exide Technologies Network Power – The Industry Leader.

ABSOLYTE™ MARATHON™ Sprinter® Sonnenschein®
Classic™ Powerfit™

Exide Technologies Network Power Division is a global leader in stored electrical energy solutions for all major critical reserve power applications and needs. Network 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 Network Power Division 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 Network Power Division leads the industry with the most recognized global 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
Network Power
Im Thiergarten
63654 Büdingen
Germany
Tel.: +49 (0) 60 42 / 81 70
Fax: +49 (0) 60 42 / 81 233

GNB Industrial Power
829 Parkview Boulevard
Lombard, IL 60148-3249
U.S.A.

Tel.: +1 630.629.5200
Fax: +1 630.629.2635

www.networkpower.exide.com

EXIDE TECHNOLOGIES

NXWS3PEPDF01002 The company reserves the right to change the specification. Containers may differ from those shown.