

Powerfit S100 / S112/7.2 SR

INDUSTRIAL BATTERIES / NETWORK POWER

GNB's Powerfit S100 are general purpose batteries designed to deliver high performance in case of power interruptions. They are the ideal solution for applications such as security & alarm systems, emergency lighting, signaling, and any other UPS application where compact and reliable back-up power is key.

Part Number: NAS11207D2VW0RA

APPLICATIONS



SPECIFICATIONS

- Rechargeable VRLA batteries in which the electrolyte is fixed in a glass mat (with very fine glass fibres)
- Perfect combination of energy storage performance and reliability
- Maintenance-free (no topping up) during the whole service life
- 5 years design life at 20 °C ambient temperature (80% remaining capacity) for S100 models (EUROBAT 2015: 3 – 5 years standard commercial)
- Container in ABS Material - no V0 available
- IEC 896-2 cycle test: 400 cycles at 60% DOD
- Designed in accordance with IEC 60896-21/22
- 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)
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- Completely recyclable



Block battery



Grid plate



Recyclable



Valve regulated lead-acid batteries



Maintenance free (no topping up)

RECYCLE WITH EXIDE.



Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, distributing and recycling of leadacid batteries has been developed to ensure a safe and responsible life cycle for all of its products.



For more information please [contact your local dealer](#)

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	12 V
Float charge	2,27 V/C @ 25 °C
Capacity	CP 10min 1,6V/C 25°C 198W/Bloc CC 10h 1,8V/C 25°C 6,72Ah
Short circuit current	140 A (IEC60896-21/22)
Internal resistance	28 mΩ (IEC60896-21/22)

Terminal	SR-6.3
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	65 x 151 x 99 mm
Weight	2,35 kg
Origin	China

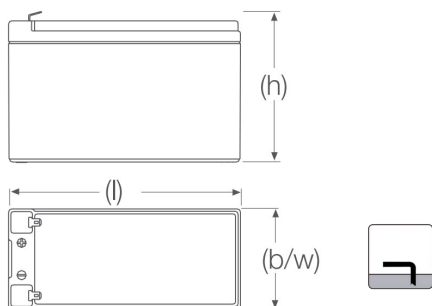
CONSTANT POWER DISCHARGE

W @ 25 °C	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h	24 h
1,850 V/C	189	145	118	76,8	45,4	20	13,9	8	4,33	3,67
1,800 V/C	223	160	131	82,2	48,1	20,6	14,2	8,13	4,37	3,7
1,750 V/C	247	173	139	85,2	49,3	21,1	14,5	8,23	4,44	3,75
1,700 V/C	267	184	146	88,2	50,7	21,5	14,7	8,32	4,48	3,78
1,650 V/C	287	193	152	90	51,2	21,8	14,9	8,39	4,51	3,79
1,600 V/C	299	198	155	91,2	51,8	22	15,1	8,44	4,53	3,8

CONSTANT CURRENT DISCHARGE

A @ 25 °C	5 min	10 min	15 min	30 min	1 h	3 h	5 h	10 h	20 h	24 h
1,850 V/C	16,6	12,7	10,2	6,52	3,82	1,67	1,15	0,658	0,355	0,301
1,800 V/C	19,8	14	11,3	7	4,06	1,72	1,19	0,672	0,36	0,304
1,750 V/C	22,1	15,3	12,1	7,3	4,17	1,77	1,21	0,682	0,367	0,31
1,700 V/C	24,1	16,4	12,9	7,57	4,3	1,81	1,23	0,692	0,372	0,314
1,650 V/C	26,2	17,3	13,5	7,8	4,37	1,84	1,25	0,699	0,375	0,316
1,600 V/C	27,6	18	13,9	7,93	4,44	1,87	1,27	0,705	0,378	0,317

Technical drawing



Float Voltage vs Temperature

