

Powerfit S100 / S106/4.5 S

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: NAS10604D5VW0SA

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 ofits products.



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

TECHNICAL CHARACTERISTICS AND DATA

Nominal voltage	6 V
Float charge	2,27 V/C @ 25 °C
Capacity	CP 10min 1,6V/C 25°C 54,2W/Bloc CC 10h 1,8V/C 25°C 4,19Ah
Short circuit current	90 A (IEC60896-21/22)
Internal resistance	25 mΩ (IEC60896-21/22)

Terminal	S-4.8
Container	ABS
Temperature range	-40°C to 55°C
Dimensions (l x b/w x h)	70 x 47 x 106 mm
Weight	0,81 kg
Origin	China

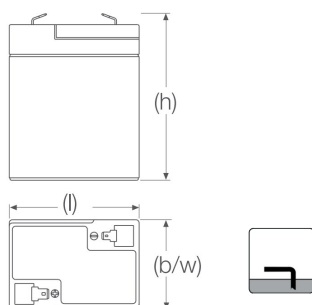
CONSTANT POWER DISCHARGE

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	48,9	34,4	28,7	20,2	12,8	6,03	4,24	2,44	1,35	1,15
1,800 V/C	59,4	40,7	32,9	22,2	13,8	6,3	4,39	2,51	1,36	1,15
1,750 V/C	69,5	45,5	36	23,6	14,4	6,49	4,49	2,55	1,36	1,15
1,700 V/C	78	49,7	38,6	24,6	14,9	6,67	4,57	2,57	1,38	1,16
1,650 V/C	84,8	52,7	40,3	25,4	15,4	6,8	4,65	2,59	1,39	1,17
1,600 V/C	87,7	54,2	41,6	25,9	15,7	6,89	4,7	2,63	1,39	1,17

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	8,64	6,02	4,97	3,46	2,17	1,01	0,71	0,404	0,223	0,189
1,800 V/C	10,6	7,19	5,76	3,83	2,34	1,06	0,74	0,419	0,225	0,19
1,750 V/C	12,6	8,13	6,35	4,09	2,46	1,1	0,76	0,427	0,227	0,192
1,700 V/C	14,3	8,96	6,88	4,29	2,57	1,14	0,77	0,434	0,231	0,195
1,650 V/C	15,8	9,64	7,27	4,47	2,67	1,17	0,79	0,438	0,234	0,197
1,600 V/C	16,5	10	7,58	4,6	2,73	1,19	0,81	0,447	0,236	0,198

Technical drawing



Float Voltage vs Temperature

