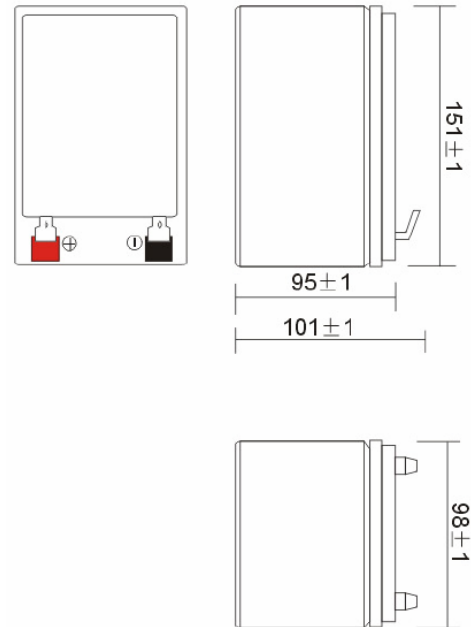


TECHNICAL DATA

Nominal voltage U_n	12 V	
Nominal capacity (C_{20} @ 20°C)	12 Ah	
Technology - Separator	AGM	
Designed service life (years)	10 - 12	
Classification according to EUROBAT	High Performance	
Dimensions	Length	151 mm
	Width	98 mm
	Height	95 mm
Weight	4,06 Kg	
Terminals	Fast-on 250 (6,35 mm)	
Max. tightening torque	-	
Available capacity at 20°C at 1,75 V/cell	20 h	12,00 Ah
	10 h	10,50 Ah
	5 h	9,40 Ah
	3 h	8,79 Ah
	1 h	7,24 Ah
Capacity C_{20} in dependence on operating temperature	40°C	102 %
	20°C	100 %
	0°C	85 %
	-15°C	65 %
Range of operating temperatures	charging	-15°C + + 50°C
	discharging	-20°C + + 60°C
Internal resistance	18,0 mΩ	
Max. discharge current (20°C)	120 A (5s)	
Constant voltage charging 15-25°C	Buffer operation	2,25-2,30 V/cell
	Cyclic operation	2,35-2,40 V/cell
Temperature compensation	Buffer operation	± 3,0 mV/°C/cell
	Cyclic operation	± 5,0 mV/°C/cell
Max. charge current	3,00 A	
Self-discharge during storage at 20°C	Capacity after 1 month	98 %
	Capacity after 3 months	94 %
	Capacity after 6 months	86 %



DISCHARGE CHARACTERISTICS

Cut-off voltage	Discharge time (minutes), watts / cell at 20°C												
	5	10	15	20	25	30	35	40	45	60	90	120	180
1,85 V/cell	51,36	39,02	32,32	27,83	24,30	21,33	19,11	17,44	16,14	13,16	9,74	7,71	5,53
1,80 V/cell	58,55	45,36	35,78	30,22	25,72	22,43	19,95	18,08	16,86	13,61	9,83	7,87	5,64
1,75 V/cell	59,95	48,24	37,27	30,87	26,43	22,90	20,33	18,40	17,04	13,75	9,92	7,89	5,66
1,70 V/cell	62,76	49,21	38,00	31,52	26,74	23,20	20,53	18,60	17,23	13,88	10,04	8,01	5,81
1,65 V/cell	65,34	49,91	38,68	31,87	27,10	23,40	20,71	18,79	17,39	14,03	10,10	8,06	5,83
1,60 V/cell	68,32	51,36	39,81	32,40	27,47	23,72	21,05	18,98	17,64	14,18	10,24	8,12	5,85
Cut-off voltage	Discharge time (minutes), Amps at 20°C												
	5	10	15	20	25	30	35	40	45	60	90	120	180
1,85 V/cell	27,58	20,88	17,25	14,79	12,85	11,26	10,07	9,19	8,44	6,86	5,02	3,98	2,83
1,80 V/cell	31,93	24,65	19,38	16,23	13,79	12,00	10,61	9,55	8,89	7,15	5,13	4,09	2,90
1,75 V/cell	33,10	26,52	20,37	16,72	14,22	12,31	10,85	9,80	9,04	7,24	5,19	4,12	2,93
1,70 V/cell	34,94	27,24	20,91	17,23	14,55	12,54	11,03	9,96	9,18	7,34	5,28	4,18	3,01
1,65 V/cell	36,58	27,68	21,33	17,47	14,80	12,69	11,16	10,07	9,30	7,43	5,32	4,21	3,02
1,60 V/cell	38,39	28,63	22,00	17,77	15,02	12,88	11,38	10,21	9,44	7,53	5,39	4,25	3,05

OPERATION FEATURES

- Maintenance-free in respect of electrolyte checks and refilling
- Electrolyte absorbed into a spongy structure of glass fibre separators – technology AGM
- Safe operation ensured by the self-sealing system of safety valves
- Wide range of operating temperatures
- Sealed to exclude any electrolyte leakage
- Energy-efficient plates
- Fast charging
- Casing made of shock resistant slow burning ABS resin
- Low self-discharge level – less than 3% per month
- Compliant with BS6290 Pt 4, IEC 896-2, DIN 43534, EUROBAT
- FAA and IATA approved as safe in transport
- Manufacture compliant with ISO 9001