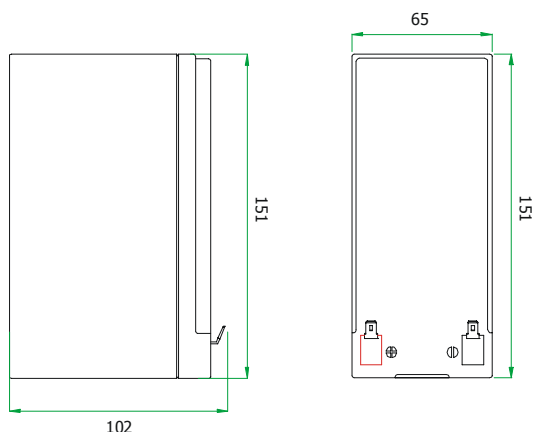
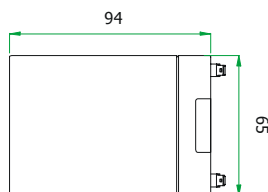


### TECHNICAL DATA

Nominal voltage $U_n$	12,0 V	
Nominal capacity ( $C_{20}$ @ 20°C)	7,0 Ah	
Technology - Separator	AGM	
Designed service life (years)	5-6	
Classification according to EUROBAT	Standard Commercial	
Dimensions	Length	151,0 mm
	Width	65,0 mm
	Height	94,0 mm
Weight	2,54 kg	
Terminals	Fast-on 187 (4,75 mm)	
Max. tightening torque	-	
Available capacity at 20°C at 1,75 V/ cell	20 h	7,00 Ah
	10 h	6,30 Ah
	5 h	5,50 Ah
	3 h	5,13 Ah
	1 h	4,69 Ah
Capacity $C_{20}$ in dependence on operating temperature	40°C	103 %
	20°C	100 %
	0°C	86 %
	-15°C	65 %
Range of operating temperatures	charging	-15°C + + 50°C
	discharging	-20°C + + 60°C
Internal resistance	38,0 mΩ	
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	1,75 A	
Self-discharge during storage at 20°C	Capacity after 1 month	97 %
	Capacity after 3 months	91 %
	Capacity after 6 months	83 %



### 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
1,75 V/cell	41,19	31,58	24,40	20,21	17,13	14,84	13,17	11,93	11,05	8,91	6,22	4,79	3,30
1,70 V/cell	43,12	32,21	24,88	20,63	17,33	15,03	13,30	12,06	11,17	9,00	6,30	4,87	3,39
1,65 V/cell	44,89	32,67	25,32	20,87	17,57	15,16	13,42	12,18	11,27	9,09	6,33	4,90	3,40
1,60 V/cell	46,94	33,62	26,06	21,21	17,80	15,37	13,64	12,31	11,43	9,19	6,43	4,94	3,41
Cut-off voltage	Discharge time (minutes), Amps at 20°C												
	5	10	15	20	25	30	35	40	45	60	90	120	180
1,75 V/cell	22,74	17,36	13,33	10,95	9,21	7,98	7,03	6,35	5,86	4,69	3,26	2,50	1,71
1,70 V/cell	24,00	17,83	13,69	11,28	9,43	8,13	7,15	6,46	5,95	4,76	3,31	2,54	1,75
1,65 V/cell	25,13	18,12	13,96	11,44	9,59	8,22	7,24	6,53	6,03	4,81	3,34	2,56	1,76
1,60 V/cell	26,38	18,74	14,40	11,63	9,73	8,35	7,37	6,62	6,12	4,88	3,38	2,58	1,78

### 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
- Low internal resistance level and high charge current
- Perfect charging parameters
- 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, ISO 9001

### BASIC APPLICATIONS

- Uninterruptible power supplies (UPS)
- Telecommunication and power industry
- Alarm, fire protection and emergency lighting systems
- Electronic tills, vending machines, parking meters
- Cable TV, medical equipment
- Solar energy systems

