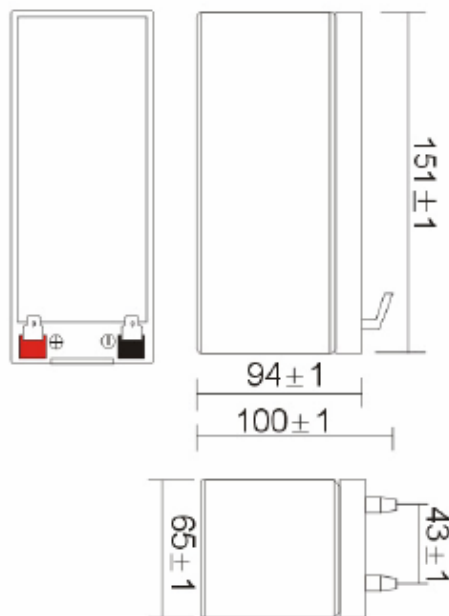


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	9,0 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	2,75 kg	
Terminals	Fast-on 250 (6,35 mm)	
Max. tightening torque	-	
Available capacity at 1,75 V/ cell	20 h	9,00 Ah
	10 h	8,10 Ah
	5 h	7,20 Ah
	3 h	6,60 Ah
	1 h	6,04 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	22,0 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	2,25 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	52,96	41,00	31,37	25,73	22,02	19,08	16,94	15,33	14,20	11,46	8,00	6,16	4,25
1,70 V/cell	55,44	41,83	31,99	26,27	22,28	19,33	17,11	15,50	14,36	11,57	8,10	6,26	4,36
1,65 V/cell	57,72	42,42	32,55	26,56	22,58	19,50	17,26	15,66	14,49	11,69	8,14	6,29	4,37
1,60 V/cell	60,35	43,65	33,51	27,00	22,89	19,77	17,54	15,82	14,70	11,81	8,26	6,35	4,39
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	29,24	22,54	17,14	13,94	11,85	10,26	9,04	8,17	7,54	6,04	4,19	3,22	2,20
1,70 V/cell	30,86	23,15	17,60	14,36	12,12	10,45	9,19	8,30	7,65	6,12	4,26	3,26	2,26
1,65 V/cell	32,31	23,53	17,95	14,56	12,33	10,57	9,30	8,39	7,75	6,19	4,29	3,29	2,27
1,60 V/cell	33,91	24,33	18,52	14,81	12,51	10,74	9,48	8,51	7,87	6,27	4,34	3,32	2,29

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