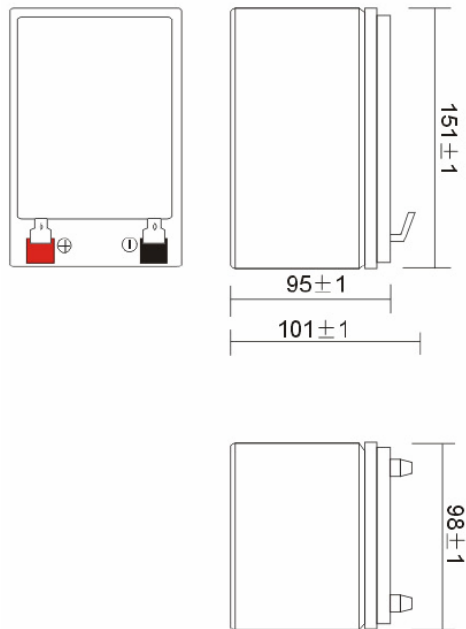


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	14,0 Ah	
Technology - Separator	AGM	
Designed service life (years)	5-6	
Classification according to EUROBAT	Standard Commercial	
Dimensions	Length	151,0 mm
	Width	98,0 mm
	Height	95,0 mm
Weight	4,75 kg	
Terminals	Fast-on 250 (6,35 mm)	
Max. tightening torque	-	
Available capacity at 20°C at 1,75 V/ cell	20 h	14,00 Ah
	10 h	13,00 Ah
	5 h	12,00 Ah
	3 h	10,26 Ah
	1 h	9,39 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	17,0 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	3,50 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	81,60	63,78	48,80	40,42	34,26	29,68	26,35	23,85	22,09	17,83	12,44	9,59	6,61
1,70 V/cell	85,42	65,07	49,76	41,27	34,66	30,07	26,61	24,12	22,34	17,99	12,60	9,73	6,78
1,65 V/cell	88,94	65,99	50,64	41,73	35,13	30,33	26,85	24,35	22,54	18,18	12,67	9,79	6,80
1,60 V/cell	92,99	67,90	52,12	42,42	35,60	30,75	27,28	24,61	22,87	18,38	12,85	9,87	6,83

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	45,05	35,06	26,67	21,90	18,43	15,96	14,07	12,70	11,72	9,39	6,51	5,00	3,42
1,70 V/cell	47,55	36,02	27,37	22,56	18,86	16,26	14,30	12,92	11,90	9,52	6,62	5,08	3,51
1,65 V/cell	49,79	36,60	27,93	22,88	19,19	16,45	14,47	13,05	12,05	9,63	6,67	5,12	3,53
1,60 V/cell	52,26	37,85	28,81	23,26	19,46	16,70	14,75	13,23	12,24	9,76	6,76	5,16	3,55

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