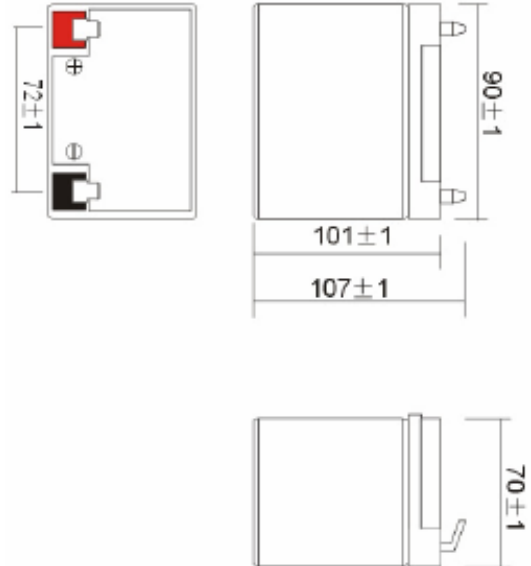


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	5,4 Ah	
Technology - Separator	AGM	
Designed service life (years)	5-6	
Classification according to EUROBAT	Standard Commercial	
Dimensions	Length	90,0 mm
	Width	70,0 mm
	Height	101,0 mm
Weight	1,83 kg	
Terminals	Fast-on 187 (4,75 mm)	
Max. tightening torque	-	
Available capacity at 20°C at 1,75 V/ cell	20 h	5,40 Ah
	10 h	4,60 Ah
	5 h	4,10 Ah
	3 h	3,66 Ah
	1 h	3,35 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	1,35 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	29,14	22,78	17,43	14,29	12,24	10,60	9,41	8,52	7,89	6,37	4,44	3,42	2,36
1,70 V/cell	30,51	23,24	17,77	14,59	12,38	10,74	9,50	8,61	7,98	6,43	4,50	3,48	2,42
1,65 V/cell	31,76	23,57	18,08	14,76	12,55	10,83	9,59	8,70	8,05	6,49	4,52	3,50	2,43
1,60 V/cell	33,21	24,25	18,61	15,00	12,72	10,98	9,74	8,79	8,17	6,56	4,59	3,53	2,44
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	16,09	12,52	9,52	7,74	6,58	5,70	5,02	4,54	4,19	3,35	2,33	1,79	1,22
1,70 V/cell	16,98	12,86	9,78	7,98	6,73	5,81	5,11	4,61	4,25	3,40	2,36	1,81	1,25
1,65 V/cell	17,78	13,07	9,97	8,09	6,85	5,87	5,17	4,66	4,30	3,44	2,38	1,83	1,26
1,60 V/cell	18,66	13,52	10,29	8,23	6,95	5,97	5,27	4,73	4,37	3,49	2,41	1,84	1,27

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