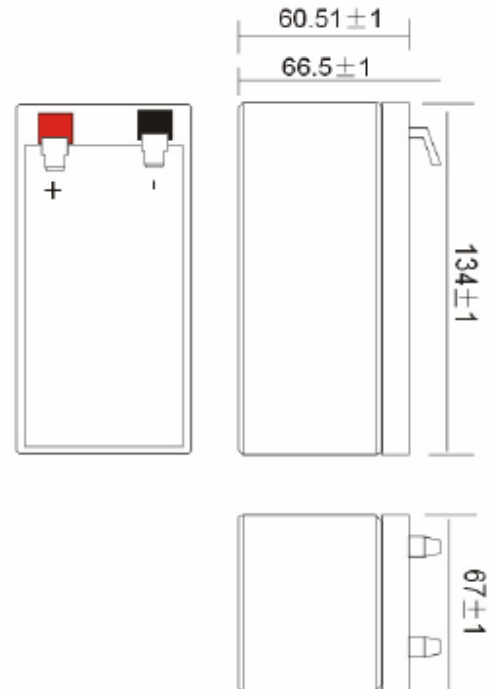


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	3,5 Ah	
Technology - Separator	AGM	
Designed service life (years)	5-6	
Classification according to EUROBAT	Standard Commercial	
Dimensions	Length	134,0 mm
	Width	67,0 mm
	Height	60,5 mm
Weight	1,4 kg	
Terminals	Fast-on 187 (4,75 mm)	
Max. tightening torque	-	
Available capacity at 20°C at 1,75 V/ cell	20 h	3,50 Ah
	10 h	3,30 Ah
	5 h	2,90 Ah
	3 h	2,56 Ah
	1 h	2,35 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	50,0 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	0,88 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	20,790	15,788	12,079	10,005	8,565	7,421	6,587	5,963	5,524	4,456	3,110	2,397	1,651
1,70 V/cell	21,762	16,107	12,316	10,215	8,664	7,517	6,652	6,029	5,584	4,498	3,150	2,433	1,694
1,65 V/cell	22,659	16,335	12,534	10,330	8,783	7,582	6,712	6,088	5,636	4,545	3,167	2,448	1,701
1,60 V/cell	23,691	16,810	12,901	10,500	8,901	7,687	6,820	6,153	5,717	4,594	3,213	2,468	1,707
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	11,477	8,679	6,601	5,420	4,607	3,990	3,516	3,176	2,931	2,347	1,628	1,250	0,854
1,70 V/cell	12,114	8,916	6,775	5,585	4,714	4,065	3,575	3,229	2,974	2,379	1,655	1,269	0,877
1,65 V/cell	12,685	9,060	6,913	5,662	4,796	4,112	3,618	3,264	3,013	2,406	1,668	1,280	0,882
1,60 V/cell	13,313	9,370	7,130	5,758	4,866	4,176	3,687	3,308	3,061	2,440	1,690	1,291	0,889

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