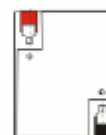
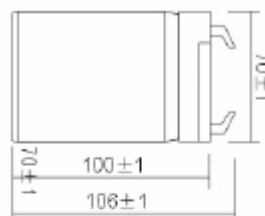


TECHNICAL DATA

Nominal voltage U_n	6,0 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	70,0 mm
	Width	47,0 mm
	Height	100,0 mm
Weight	0,86 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	2,54 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	30,0 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	29,144	22,778	17,428	14,293	12,236	10,601	9,410	8,519	7,891	6,366	4,443	3,425	2,359
1,70 V/cell	30,508	23,238	17,770	14,593	12,378	10,739	9,504	8,613	7,977	6,426	4,500	3,476	2,420
1,65 V/cell	31,764	23,567	18,085	14,757	12,547	10,832	9,588	8,697	8,051	6,493	4,525	3,497	2,430
1,60 V/cell	33,212	24,252	18,614	15,000	12,716	10,981	9,743	8,789	8,167	6,563	4,590	3,526	2,439
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	16,090	12,522	9,525	7,743	6,582	5,700	5,023	4,536	4,187	3,353	2,326	1,786	1,220
1,70 V/cell	16,983	12,864	9,775	7,978	6,735	5,807	5,107	4,613	4,249	3,399	2,364	1,813	1,253
1,65 V/cell	17,783	13,071	9,974	8,089	6,852	5,875	5,168	4,662	4,304	3,438	2,383	1,828	1,260
1,60 V/cell	18,664	13,518	10,288	8,226	6,952	5,965	5,267	4,725	4,372	3,486	2,414	1,844	1,270

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

