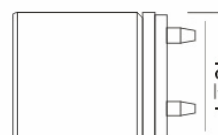
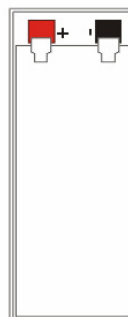


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	1,4 Ah	
Technology - Separator	AGM	
Designed service life (years)	5-6	
Classification according to EUROBAT	Standard Commercial	
Dimensions	Length	97,0 mm
	Width	43,0 mm
	Height	52,0 mm
Weight	0,60 kg	
Terminals	Fast-on 187 (4,75 mm)	
Max. tightening torque	-	
Available capacity at 20°C at 1,75 V/ cell	20 h	1,40 Ah
	10 h	1,30 Ah
	5 h	1,20 Ah
	3 h	1,03 Ah
	1 h	0,94 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	120,0 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	0,35 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	8,160	6,253	4,831	4,002	3,426	2,968	2,635	2,385	2,209	1,783	1,244	0,959	0,661
1,70 V/cell	8,542	6,379	4,926	4,086	3,466	3,007	2,661	2,412	2,234	1,799	1,260	0,973	0,678
1,65 V/cell	8,894	6,469	5,014	4,132	3,513	3,033	2,685	2,435	2,254	1,818	1,267	0,979	0,680
1,60 V/cell	9,299	6,657	5,160	4,200	3,560	3,075	2,728	2,461	2,287	1,838	1,285	0,987	0,683
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	4,505	3,437	2,641	2,168	1,843	1,596	1,407	1,270	1,172	0,939	0,651	0,500	0,342
1,70 V/cell	4,755	3,531	2,710	2,234	1,886	1,626	1,430	1,292	1,190	0,952	0,662	0,508	0,351
1,65 V/cell	4,979	3,588	2,765	2,265	1,919	1,645	1,447	1,305	1,205	0,963	0,667	0,512	0,353
1,60 V/cell	5,226	3,711	2,852	2,303	1,946	1,670	1,475	1,323	1,224	0,976	0,676	0,516	0,355

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