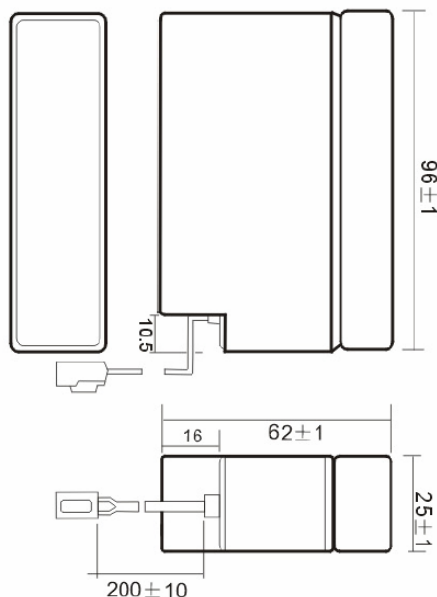


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	0,8 Ah	
Technology - Separator	AGM	
Designed service life (years)	5-6	
Classification according to EUROBAT	Standard Commercial	
Dimensions	Length	96,0 mm
	Width	25,0 mm
	Height	62,0 mm
Weight	3,41 kg	
Terminals	AWG#20UL100	
Max. tightening torque	-	
Available capacity at 20°C at 1,75 V/ cell	20 h	0,80 Ah
	10 h	0,72 Ah
	5 h	0,65 Ah
	3 h	0,59 Ah
	1 h	0,54 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	180,0 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	0,20 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	4,619	3,573	2,761	2,287	1,958	1,696	1,506	1,363	1,263	1,019	0,711	0,548	0,377
1,70 V/cell	4,835	3,645	2,815	2,335	1,980	1,718	1,521	1,378	1,276	1,028	0,720	0,556	0,387
1,65 V/cell	5,034	3,697	2,865	2,361	2,008	1,733	1,534	1,392	1,288	1,039	0,724	0,560	0,389
1,60 V/cell	5,263	3,804	2,949	2,400	2,035	1,757	1,559	1,406	1,307	1,050	0,734	0,564	0,390
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	2,550	1,964	1,509	1,239	1,053	0,912	0,804	0,726	0,670	0,537	0,372	0,286	0,195
1,70 V/cell	2,691	2,018	1,549	1,276	1,078	0,929	0,817	0,738	0,680	0,544	0,378	0,290	0,201
1,65 V/cell	2,818	2,050	1,580	1,294	1,096	0,940	0,827	0,746	0,689	0,550	0,381	0,293	0,202
1,60 V/cell	2,958	2,120	1,630	1,316	1,112	0,954	0,843	0,756	0,700	0,558	0,386	0,295	0,203

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