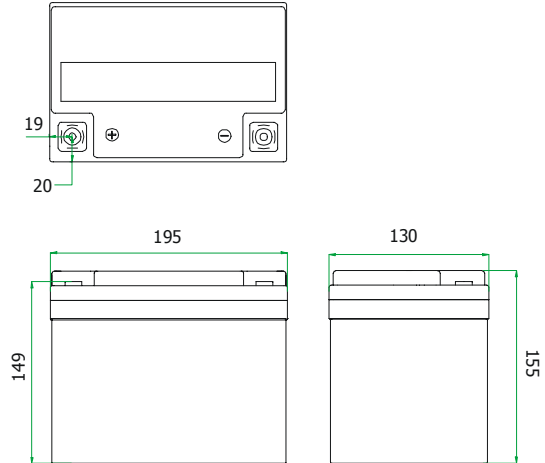


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	35 Ah	
Technology - Separator	AGM	
Designed service life (years)	6-9	
Classification according to EUROBAT	General Purpose	
Dimensions	Length	195,0 mm
	Width	130,0 mm
	Height	155,0 mm
Weight	11,20 Kg	
Terminals	Thread M5	
Max. tightening torque	6-7 Nm	
Available capacity at 1,75 V/ cell	20 h	35,0 Ah
	10 h	33,0 Ah
	5 h	30,0 Ah
	3 h	24,2 Ah
	1 h	22,1 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	9,0 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	8,80 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	192,35	148,86	113,88	94,33	80,76	69,97	62,11	56,22	52,08	42,02	29,32	22,60	15,57
1,70 V/cell	201,35	151,87	116,12	96,31	81,69	70,88	62,72	56,84	52,65	42,41	29,70	22,94	15,97
1,65 V/cell	209,64	154,02	118,18	97,40	82,81	71,49	63,28	57,40	53,14	42,85	29,86	23,08	16,04
1,60 V/cell	219,20	158,49	121,64	99,00	83,92	72,48	64,31	58,01	53,90	43,32	30,29	23,27	16,10
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	106,19	81,84	62,24	51,10	43,44	37,62	33,16	29,94	27,63	22,13	15,35	11,79	8,05
1,70 V/cell	112,09	84,07	63,88	52,66	44,45	38,33	33,70	30,45	28,04	22,43	15,60	11,97	8,27
1,65 V/cell	117,37	85,42	65,18	53,39	45,22	38,77	34,11	30,77	28,40	22,69	15,72	12,07	8,32
1,60 V/cell	123,18	88,34	67,23	54,29	45,88	39,37	34,76	31,19	28,86	23,01	15,93	12,17	8,38

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