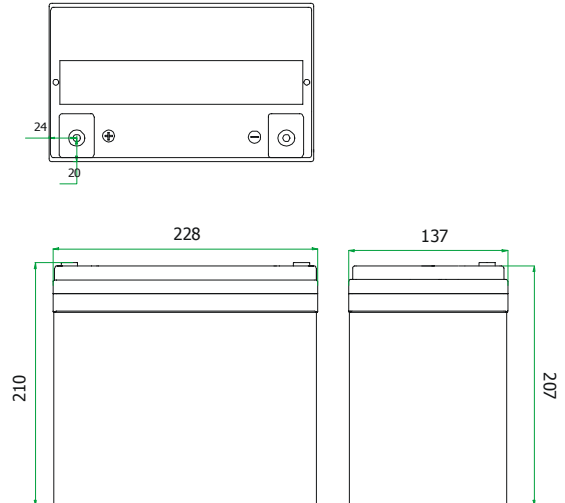


TECHNICAL DATA

Nominal voltage U_n	12 V	
Nominal capacity (C_{20} @ 20°C)	55 Ah	
Technology - Separator	AGM	
Designed service life (years)	10 - 12	
Classification according to EUROBAT	High Performance	
Dimensions	Length	228 mm
	Width	137 mm
	Height	207 mm
Weight	17,5 kg	
Terminals	Thread M 6	
Max. tightening torque	6-7 Nm	
Available capacity at 20°C at 1,75 V/cell	20 h	55,0 Ah
	10 h	47,5 Ah
	5 h	43,0 Ah
	3 h	39,0 Ah
	1 h	35,9 Ah
Capacity C_{20} in dependence on operating temperature	40°C	102 %
	20°C	100 %
	0°C	85 %
	-15°C	65 %
Range of operating temperatures	charging	-15°C ÷ + 50°C
	discharging	-20°C ÷ + 60°C
Internal resistance	6,5 mΩ	
Short circuit current (20°C)	1700 A	
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	13,75 A	
Self-discharge during storage at 20°C	Capacity after 1 month	98 %
	Capacity after 3 months	94 %
	Capacity after 6 months	86 %



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
1,85 V/cell	274,3	214,0	172,0	141,0	123,9	108,2	97,0	88,5	82,0	66,1	47,3	35,3	24,5
1,80 V/cell	298,1	243,0	192,0	151,0	131,3	113,4	101,9	92,4	85,5	68,1	47,8	35,6	25,1
1,75 V/cell	309,5	250,0	196,0	155,0	135,5	116,6	103,5	94,1	86,3	68,1	47,9	35,7	25,2
1,70 V/cell	325,0	257,0	199,0	157,0	135,5	117,6	103,8	94,6	87,8	69,9	48,9	36,4	25,9
1,65 V/cell	333,3	264,0	204,0	161,0	138,6	118,7	105,0	95,6	88,3	70,2	49,4	36,8	26,0
1,60 V/cell	347,8	270,0	207,0	163,0	140,7	120,8	107,1	96,6	89,3	70,7	50,0	37,0	26,1

Cut-off voltage	Discharge time (minutes), Amps at 20°C												
	5	10	15	20	25	30	35	40	45	60	90	120	180
1,85 V/cell	147,0	114,0	91,9	74,7	65,5	57,0	51,1	46,5	42,9	34,5	24,5	18,2	12,6
1,80 V/cell	162,5	132,0	104,0	81,2	70,6	60,7	54,2	48,9	45,2	35,8	25,0	18,5	12,9
1,75 V/cell	170,8	137,0	107,0	84,0	72,8	62,8	55,2	50,1	45,8	35,9	25,1	18,6	13,0
1,70 V/cell	181,1	142,0	109,0	85,9	73,7	63,4	55,9	50,6	46,7	36,9	25,7	19,0	13,4
1,65 V/cell	186,3	146,0	112,0	88,3	75,6	64,6	56,6	51,2	47,1	37,2	26,0	19,2	13,5
1,60 V/cell	195,6	151,0	115,0	89,5	77,0	65,7	57,8	51,9	47,7	37,5	26,3	19,4	13,6

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
- Energy-efficient plates
- Fast charging
- 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
- FAA and IATA approved as safe in transport
- Manufacture compliant with ISO 9001