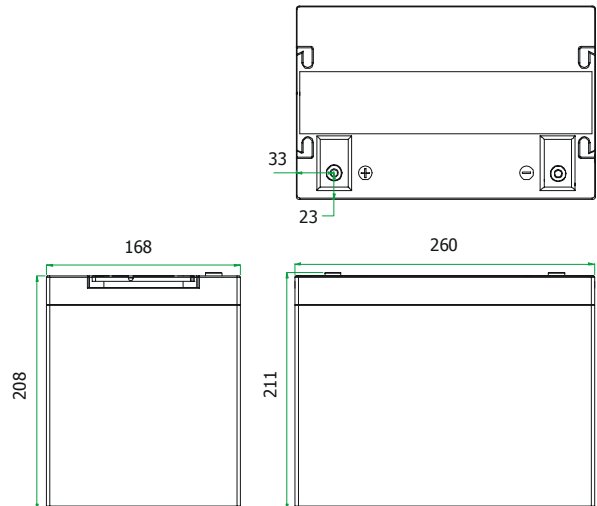


TECHNICAL DATA

Nominal voltage U_n	12 V	
Nominal capacity (C_{20} @ 20°C)	80 Ah	
Technology - Separator	AGM	
Designed service life (years)	10 - 12	
Classification according to EUROBAT	High Performance	
Dimensions	Length	260 mm
	Width	168 mm
	Height	208 mm
Weight	23,7 kg	
Terminals	Thread M 6	
Max. tightening torque	6-7 Nm	
Available capacity at 20°C at 1,75 V/cell	20 h	80,0 Ah
	10 h	69,1 Ah
	5 h	63,0 Ah
	3 h	57,9 Ah
	1 h	54,8 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	5,0 mΩ	
Short circuit current (20°C)	2400 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	20,0 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	376,2	276,6	218,0	188,0	167,0	147,0	135,0	126,0	117,0	97,6	70,4	54,1	36,7
1,80 V/cell	392,7	311,0	248,0	209,0	179,0	158,0	145,0	133,0	124,0	101,0	71,2	54,6	37,1
1,75 V/cell	415,8	333,8	269,0	226,0	193,0	169,0	151,0	138,0	129,0	104,0	71,9	54,7	37,4
1,70 V/cell	443,3	357,8	284,0	235,0	197,0	172,0	153,0	140,0	130,0	105,0	72,8	55,6	37,9
1,65 V/cell	486,2	373,4	294,0	240,0	201,0	173,0	155,0	141,0	131,0	106,0	73,3	55,9	38,1
1,60 V/cell	517,0	384,8	301,0	242,0	203,0	175,0	157,0	142,0	132,0	107,0	74,4	56,4	38,2

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	202,4	147,7	116,0	99,9	88,3	77,9	71,2	66,2	61,3	50,9	36,5	27,9	18,8
1,80 V/cell	214,5	168,5	134,0	113,0	95,8	84,5	77,1	70,5	65,7	53,2	37,1	28,3	19,1
1,75 V/cell	228,8	183,0	147,0	123,0	104,0	90,5	80,8	73,5	68,5	54,8	37,6	28,5	19,3
1,70 V/cell	246,4	197,6	156,0	129,0	107,0	93,0	82,3	74,9	69,3	55,6	38,2	29,0	19,7
1,65 V/cell	271,7	207,0	162,0	132,0	110,0	93,8	83,6	75,8	69,6	56,3	38,5	29,2	19,8
1,60 V/cell	290,4	214,2	166,0	133,0	111,0	95,0	84,8	76,3	70,6	56,8	39,1	29,5	19,8

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