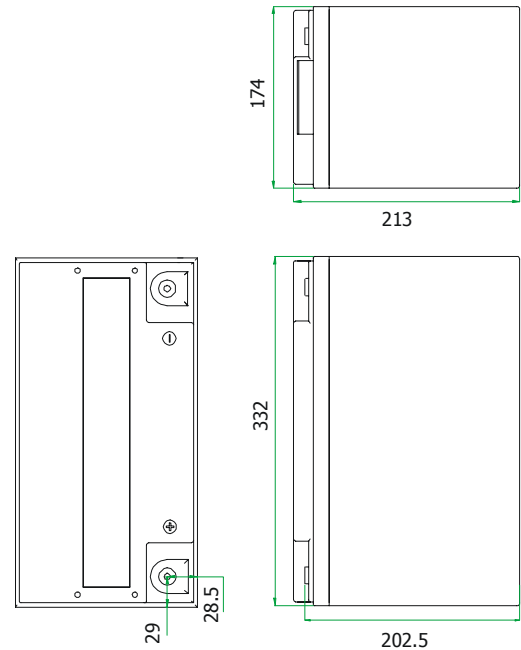


TECHNICAL DATA

Nominal voltage U_n	12 V	
Nominal capacity (C_{20} @ 20°C)	110 Ah	
Technology - Separator	AGM	
Designed service life (years)	10 - 12	
Classification according to EUROBAT	High Performance	
Dimensions	Length	332 mm
	Width	174 mm
	Height	213 mm
Weight	32,3 kg	
Terminals	Thread M 6	
Max. tightening torque	6-7 Nm	
Available capacity at 20°C at 1,75 V/cell	20 h	110,0 Ah
	10 h	96,7 Ah
	5 h	87,1 Ah
	3 h	80,1 Ah
	1 h	72,5 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	4,0 mΩ	
Short circuit current (20°C)	3000 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	27,5 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	484,1	394,8	320,3	276,0	238,7	216,2	192,8	174,4	161,2	130,2	95,6	73,2	51,0
1,80 V/cell	598,5	468,3	362,6	300,8	261,1	229,5	202,0	183,6	171,6	136,5	95,9	74,5	51,7
1,75 V/cell	611,1	494,6	382,1	317,2	269,3	233,6	206,0	186,7	172,6	137,6	96,3	75,0	51,7
1,70 V/cell	633,2	497,7	386,3	322,4	272,3	235,6	209,1	187,7	174,7	138,6	97,9	76,3	53,1
1,65 V/cell	665,7	506,1	391,4	324,5	275,4	238,7	211,1	190,7	176,8	139,7	98,9	76,6	53,3
1,60 V/cell	694,1	521,9	402,7	329,6	277,4	241,7	213,2	192,8	177,8	140,7	100,2	77,0	53,6

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	260,4	211,1	171,0	146,3	126,5	114,2	101,4	91,7	84,6	67,8	48,9	37,8	26,1
1,80 V/cell	326,6	254,1	196,7	162,7	139,7	122,4	107,1	97,3	90,4	71,6	50,0	38,7	26,6
1,75 V/cell	337,1	272,0	208,1	172,0	144,8	125,5	110,2	99,3	91,8	72,5	50,4	39,0	26,7
1,70 V/cell	352,8	275,1	212,2	176,1	147,9	127,5	112,2	100,7	92,9	73,3	51,4	39,8	27,5
1,65 V/cell	372,8	281,4	215,3	178,2	149,9	129,5	113,2	102,0	94,4	73,9	52,0	40,1	27,6
1,60 V/cell	389,6	290,9	222,5	181,3	151,0	131,6	115,3	104,0	95,1	74,6	52,7	40,3	27,8

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