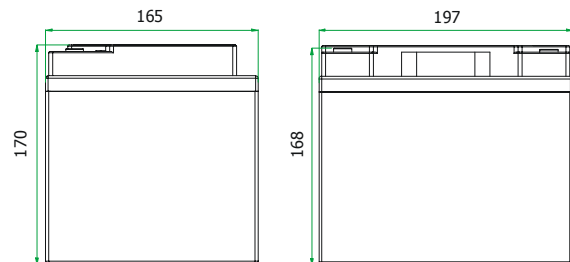
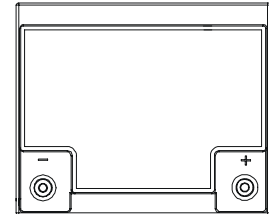


TECHNICAL DATA

Nominal voltage U_n	12 V	
Nominal capacity (C_{20} @ 20°C)	44 Ah	
Technology - Separator	AGM	
Designed service life (years)	10 - 12	
Classification according to EUROBAT	High Performance	
Dimensions	Length	197 mm
	Width	165 mm
	Height	170 mm
Weight	13,6 kg	
Terminals	Thread M 6	
Max. tightening torque	6-7 Nm	
Available capacity at 20°C at 1,75 V/cell	20 h	44,0 Ah
	10 h	39,7 Ah
	5 h	34,9 Ah
	3 h	31,2 Ah
	1 h	28,9 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	7,5 mΩ	
Short circuit current (20°C)	1400 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	11,0 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	227,7	176,0	142,0	117,0	100,0	87,7	78,5	70,8	66,8	53,6	37,8	28,7	19,6
1,80 V/cell	242,2	192,0	153,0	125,0	106,0	92,2	82,0	73,3	68,7	54,9	38,6	29,5	20,0
1,75 V/cell	253,6	202,0	160,0	128,0	108,0	94,1	82,8	73,9	69,1	54,9	38,7	29,6	20,2
1,70 V/cell	261,9	206,0	162,0	130,0	109,0	94,4	83,0	74,2	70,0	55,9	39,2	30,0	20,6
1,65 V/cell	266,0	209,0	165,0	131,0	110,0	95,0	83,5	75,0	70,6	56,2	39,7	30,1	20,7
1,60 V/cell	274,3	211,0	167,0	132,0	111,0	96,0	84,2	76,0	71,1	56,7	40,0	30,3	20,8

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	122,1	94,4	75,5	62,4	53,2	46,3	41,3	37,2	35,0	27,9	19,6	14,8	10,0
1,80 V/cell	132,5	105,0	83,0	67,3	57,1	49,2	43,6	38,9	36,3	28,8	20,1	15,4	10,3
1,75 V/cell	139,7	111,0	87,2	69,3	58,5	50,5	44,2	39,3	36,7	28,9	20,3	15,5	10,4
1,70 V/cell	145,9	114,0	89,1	71,2	59,3	51,0	44,6	39,7	37,3	29,6	20,6	15,7	10,7
1,65 V/cell	149,0	116,0	90,9	71,8	59,9	51,5	45,0	40,2	37,7	29,8	20,8	15,8	10,7
1,60 V/cell	154,2	118,0	92,4	72,4	60,6	52,1	45,5	40,8	38,0	30,0	21,0	15,9	10,8

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