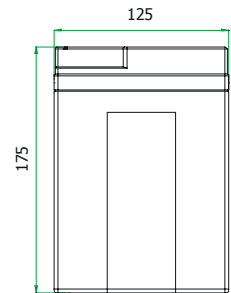
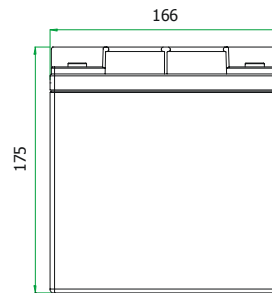
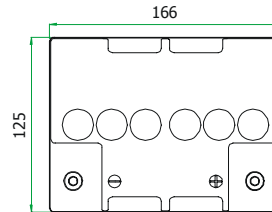


TECHNICAL DATA

Nominal voltage U_n	12 V	
Nominal capacity (C_{20} @ 20°C)	28 Ah	
Technology - Separator	AGM	
Designed service life (years)	10 - 12	
Classification according to EUROBAT	High Performance	
Dimensions	Length	166 mm
	Width	125 mm
	Height	175 mm
Weight	9,4 kg	
Terminals	Thread M 5	
Max. tightening torque	5-6 Nm	
Available capacity at 20°C at 1,75 V/cell	20 h	28,0 Ah
	10 h	24,8 Ah
	5 h	23,5 Ah
	3 h	21,7 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	10,0 mΩ	
Short circuit current (20°C)	910 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	7,0 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	147,46	117,70	98,56	85,80	73,68	64,38	57,11	50,46	45,37	35,20	24,47	19,26	13,75
1,80 V/cell	154,53	122,10	101,78	87,36	75,24	65,57	58,06	51,39	46,28	35,64	24,68	19,36	13,90
1,75 V/cell	160,59	127,60	104,54	89,16	76,92	66,88	59,24	52,32	46,97	36,30	24,89	19,47	14,00
1,70 V/cell	165,64	130,90	107,53	91,08	78,00	67,95	59,94	53,24	47,77	36,85	25,20	19,57	14,10
1,65 V/cell	173,72	134,20	108,91	92,40	78,96	69,02	60,77	53,82	48,45	37,18	25,31	19,67	14,20
1,60 V/cell	180,79	138,60	111,44	93,48	79,80	69,73	61,36	54,29	48,91	37,51	25,52	19,88	14,30

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	79,29	63,14	52,56	45,60	39,12	34,03	30,09	26,45	23,83	18,37	12,71	9,96	7,15
1,80 V/cell	84,44	66,55	55,09	47,04	40,32	34,99	30,92	27,14	24,40	18,70	12,92	10,05	7,20
1,75 V/cell	88,58	69,96	57,04	48,36	41,52	35,94	31,62	27,84	24,97	19,14	13,02	10,15	7,24
1,70 V/cell	92,11	72,38	59,11	49,80	42,36	36,77	32,21	28,54	25,42	19,47	13,23	10,23	7,29
1,65 V/cell	96,96	74,36	60,03	50,64	43,08	37,37	32,80	28,88	25,88	19,69	13,34	10,30	7,36
1,60 V/cell	101,00	77,33	61,64	51,36	43,56	37,84	33,16	29,23	26,11	19,91	13,44	10,40	7,44

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