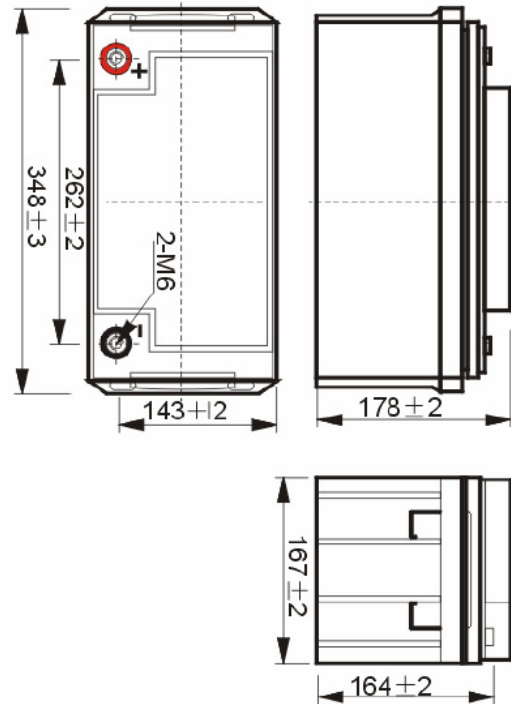


TECHNICAL DATA

Nominal voltage U_n	12,0 V	
Nominal capacity (C_{20} @ 20°C)	70 Ah	
Technology - Separator	AGM	
Designed service life (years)	6-9	
Classification according to EUROBAT	General Purpose	
Dimensions	Length	348,0 mm
	Width	167,0 mm
	Height	178,0 mm
Weight	22,20 Kg	
Terminals	Thread M6	
Max. tightening torque	6-7 Nm	
Available capacity at 20°C at 1,75 V/ cell	20 h	70,0 Ah
	10 h	65,0 Ah
	5 h	58,5 Ah
	3 h	47,6 Ah
	1 h	43,6 Ah
Capacity C_{20} in dependence on operating temperature	40°C	103 %
	20°C	100 %
	0°C	86 %
	-15°C	65 %
Range of operating temperatures	charging	-15°C + + 50°C
	discharging	-20°C + + 60°C
Internal resistance	5,7 mΩ	
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	17,5 A	
Self-discharge during storage at 20°C	Capacity after 1 month	97 %
	Capacity after 3 months	91 %
	Capacity after 6 months	83 %



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
1,75 V/cell	386,09	296,11	224,32	185,81	159,06	137,81	122,34	110,74	102,58	82,76	57,76	44,52	30,67
1,70 V/cell	404,16	302,10	228,72	189,71	160,91	139,60	123,55	111,97	103,71	83,54	58,50	45,18	31,46
1,65 V/cell	420,80	306,38	232,77	191,84	163,11	140,82	124,65	113,07	104,67	84,41	58,82	45,46	31,59
1,60 V/cell	439,98	315,27	239,59	195,00	165,30	142,75	126,66	114,26	106,17	85,32	59,67	45,84	31,71
Cut-off voltage	Discharge time (minutes), Amps at 20°C												
	5	10	15	20	25	30	35	40	45	60	90	120	180
1,75 V/cell	213,15	162,79	122,60	100,65	85,57	74,10	65,31	58,97	54,42	43,59	30,24	23,22	15,86
1,70 V/cell	224,98	167,23	125,82	103,72	87,55	75,49	66,39	59,97	55,24	44,18	30,73	23,57	16,29
1,65 V/cell	235,58	169,92	128,38	105,16	89,07	76,37	67,18	60,61	55,95	44,69	30,97	23,77	16,38
1,60 V/cell	247,25	175,73	132,42	106,94	90,37	77,55	68,46	61,43	56,84	45,32	31,38	23,97	16,50

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
- Low internal resistance level and high charge current
- Perfect charging parameters
- 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, ISO 9001

BASIC APPLICATIONS

- Uninterruptible power supplies (UPS)
- Telecommunication and power industry
- Alarm, fire protection and emergency lighting systems
- Electronic tills, vending machines, parking meters
- Cable TV, medical equipment
- Solar energy systems

