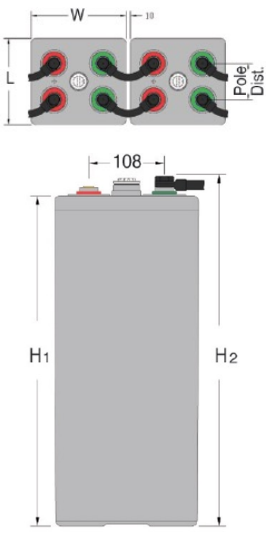


ARG-7-OPzV-1090 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C120 (1,85 V/cell, 20°C)	1187	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	875	
Number of plates (+) per cell	7	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	0,3 C10	
Recommended Boost Charge Voltage (V/cell)	2,35	
Recommended End of Discharge voltage for 120-hr rate (V/cell)	1,85	
Short circuit current (A)	5600	
Internal resistance (mOhm)	0,365	
Number of cycles at 60% depth of discharge (20°C)	2500	
Self-discharge rate per month at 20 °C	Approx. 2%	
Dimensions in mm (LxWxH1/H2) H1 = Height to the lid H2 = Height including connectors & bolts	191 x 210 x 644 x 672	
Weight (kg)	61,1	
Type and number of poles	M10 / 4	
Operating Temperature / Recommended Temperature	-20°C to 45°C / 10°C - 30°C	

*All dimensions and weights shown are subject to manufacturing tolerances.

** Vertical installation is the default installation for the cells. For horizontal installation special cells are available upon customer request.

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

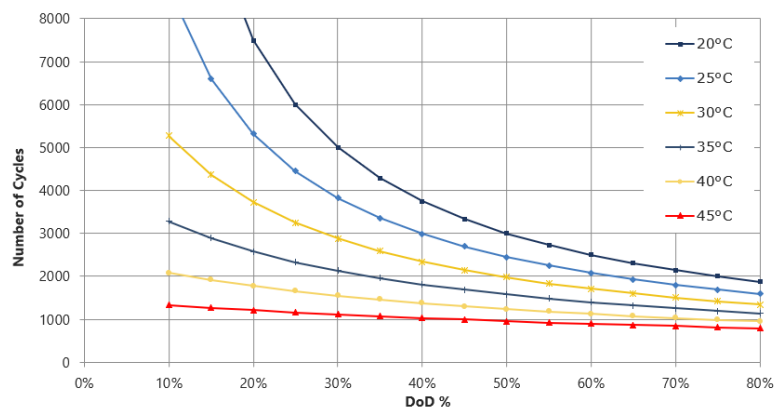
DISCHARGE TIME											
End Voltage (V/cell)	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	87,50	75,61	49,59	42,49	23,26	22,44	16,17	11,97	10,10	7,34	5,18
1,83 V	84,61	73,40	48,54	41,69	22,95	22,13	15,98	11,84	9,99	7,27	5,14
1,85 V	81,81	71,13	47,35	40,75	22,59	21,80	15,78	11,71	9,89	7,20	5,09
1,90 V	72,29	63,15	42,55	36,77	20,74	20,04	14,64	10,96	9,30	6,82	4,86
1,92 V	67,43	59,03	40,00	34,63	19,66	19,00	13,93	10,45	8,88	6,53	4,67
2,00 V	42,59	37,68	26,32	23,05	13,63	13,20	9,85	7,50	6,41	4,77	3,43

CONSTANT POWER DISCHARGE IN W/CELL (AT 20°C)

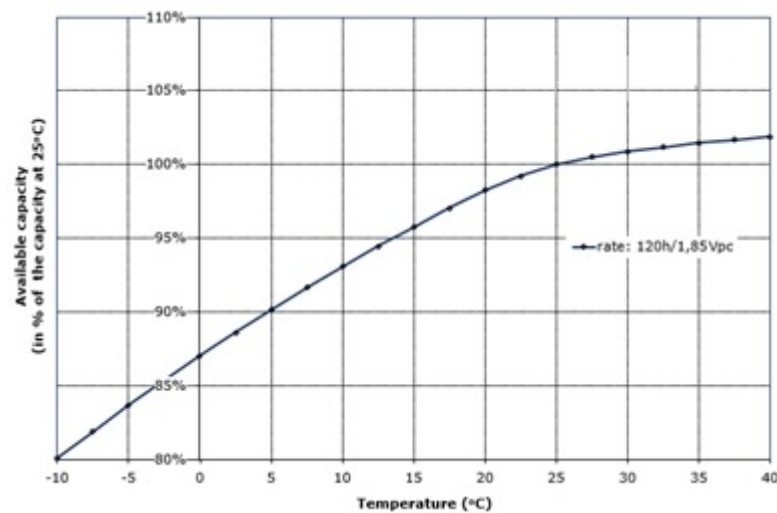
DISCHARGE TIME											
End Voltage (V/cell)	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	168,90	146,51	96,96	83,32	46,07	44,46	32,21	23,94	20,24	14,78	10,48
1,83 V	163,69	142,50	95,06	81,86	45,50	43,91	31,86	23,71	20,06	14,65	10,40
1,85 V	158,69	138,41	92,88	80,15	44,85	43,30	31,49	23,47	19,87	14,53	10,32
1,90 V	141,48	123,92	84,06	72,83	41,42	40,03	29,38	22,07	18,76	13,81	9,87
1,92 V	132,52	116,30	79,31	68,83	39,40	38,09	28,03	21,11	17,98	13,26	9,51
2,00 V	85,44	75,69	53,11	46,60	27,74	26,88	20,14	15,38	13,17	9,83	7,10



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



GUIDANCE FOR THE INITIAL LOW-VOLTAGE DISCONNECT SETTINGS (25°C REFERENCE TEMPERATURE)

