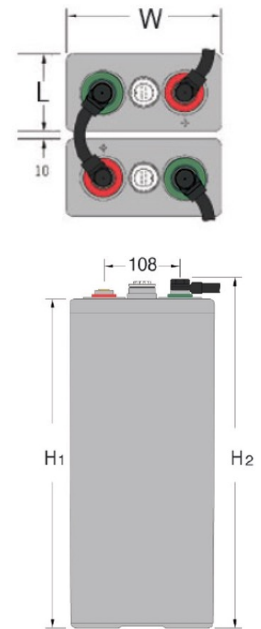


# ARG-7-OPzV-750 DATA SHEET

TECHNICAL CHARACTERISTICS	
Capacity (Ah), C120 (1,85 V/cell, 20°C)	821
Capacity (Ah), C10 (1,80 V/cell, 20°C)	609
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)	4940
Internal resistance (mOhm)	0,414
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	166 x 206 x 471 x 499
Weight (kg)	41,0
Type and number of poles	M10 / 2
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)

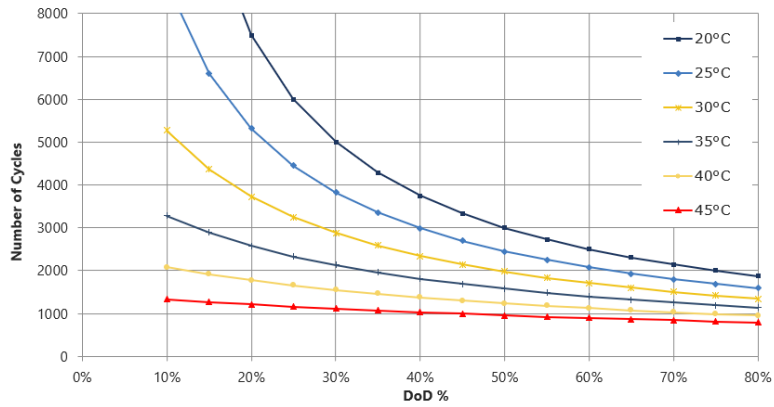
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	60,90	52,56	34,39	29,45	16,10	15,52	11,18	8,27	6,97	5,07	3,58
1,83 V	59,03	51,13	33,71	28,92	15,89	15,32	11,06	8,19	6,91	5,02	3,55
1,85 V	57,15	49,62	32,92	28,31	15,66	15,11	10,92	8,10	6,84	4,98	3,52
1,90 V	50,65	44,17	29,66	25,62	14,43	13,94	10,18	7,62	6,47	4,74	3,37
1,92 V	47,31	41,35	27,92	24,16	13,70	13,24	9,71	7,28	6,19	4,55	3,25
2,00 V	30,12	26,61	18,55	16,25	9,62	9,32	6,96	5,31	4,54	3,38	2,43

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

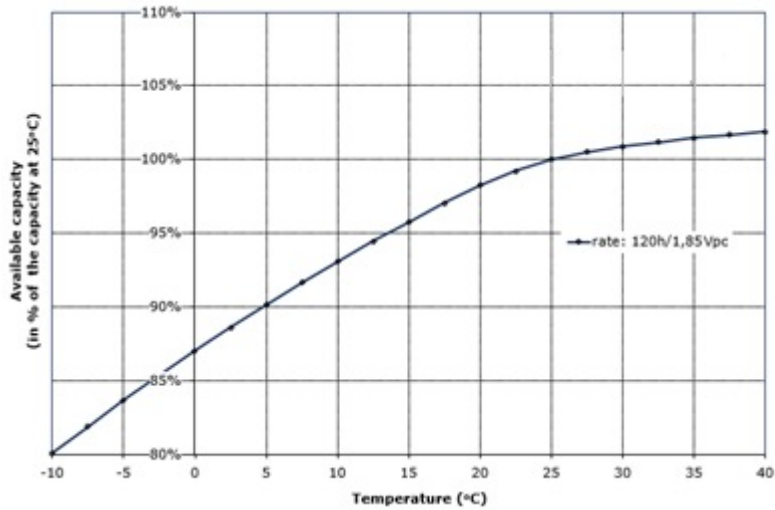
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	117,79	102,02	67,32	57,82	31,92	30,80	22,30	16,57	14,01	10,22	7,25
1,83 V	114,41	99,43	66,09	56,86	31,54	30,44	22,07	16,42	13,89	10,14	7,19
1,85 V	111,04	96,70	64,66	55,74	31,12	30,04	21,83	16,26	13,77	10,06	7,14
1,90 V	99,26	86,78	58,67	50,78	28,85	27,88	20,46	15,37	13,07	9,61	6,87
1,92 V	93,10	81,56	55,42	48,06	27,48	26,57	19,56	14,73	12,55	9,26	6,64
2,00 V	60,45	53,48	37,45	32,86	19,59	18,98	14,24	10,89	9,34	6,97	5,04



## EXPECTED NUMBER OF CYCLES VS. DOD



## CAPACITY VS. TEMPERATURE



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

