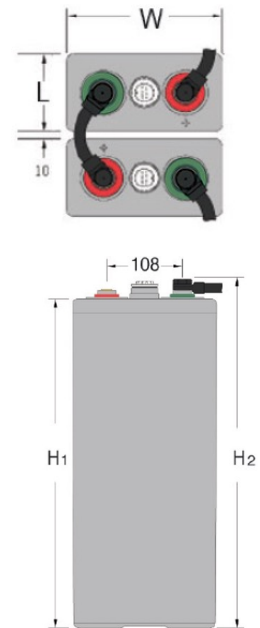


# ARG-5-OPzV-780 DATA SHEET

TECHNICAL CHARACTERISTICS	
Capacity (Ah), C120 (1,85 V/cell, 20°C)	850
Capacity (Ah), C10 (1,80 V/cell, 20°C)	625
Number of plates (+) per cell	5
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)	3850
Internal resistance (mOhm)	0,530
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	145 x 206 x 643 x 671
Weight (kg)	43,9
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)

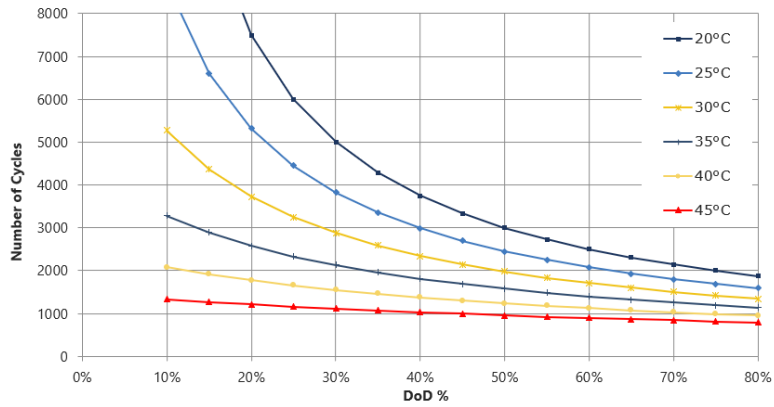
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	62,50	54,05	35,49	30,42	16,67	16,07	11,59	8,58	7,24	5,26	3,72
1,83 V	60,27	52,34	34,68	29,80	16,43	15,85	11,45	8,48	7,16	5,21	3,68
1,85 V	58,19	50,63	33,77	29,09	16,16	15,59	11,29	8,39	7,09	5,16	3,65
1,90 V	51,19	44,77	30,24	26,15	14,79	14,29	10,46	7,83	6,65	4,88	3,48
1,92 V	47,64	41,76	28,37	24,59	14,01	13,54	9,94	7,46	6,35	4,67	3,34
2,00 V	29,77	26,37	18,51	16,24	9,65	9,35	7,00	5,34	4,57	3,40	2,45

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

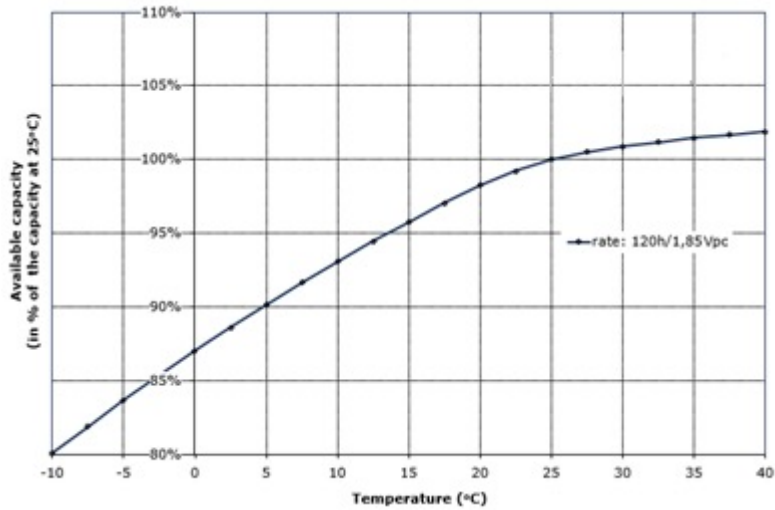
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	120,40	104,52	69,28	59,56	32,97	31,81	23,06	17,14	14,50	10,59	7,51
1,83 V	116,41	101,44	67,82	58,44	32,54	31,41	22,80	16,97	14,37	10,50	7,45
1,85 V	112,69	98,38	66,16	57,13	32,04	30,94	22,52	16,80	14,23	10,41	7,39
1,90 V	100,05	87,73	59,67	51,74	29,51	28,52	20,96	15,76	13,41	9,88	7,07
1,92 V	93,53	82,18	56,21	48,83	28,04	27,11	19,98	15,07	12,84	9,48	6,80
2,00 V	59,66	52,95	37,33	32,80	19,63	19,03	14,30	10,94	9,38	7,01	5,07



## EXPECTED NUMBER OF CYCLES VS. DOD



## CAPACITY VS. TEMPERATURE



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

