

ARG-12-OPzV-2120 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C120 (1,85 V/cell, 20°C)	2352	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	1716	
Number of plates (+) per cell	12	
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)	9700	
Internal resistance (mOhm)	0,210	
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	275 x 210 x 796 x 824	
Weight (kg)	110,2	
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)

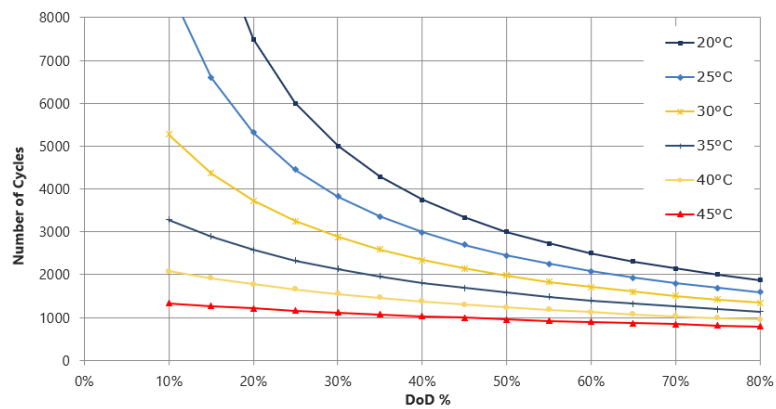
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	171,60	148,65	97,85	83,91	46,01	44,38	32,00	23,68	19,98	14,53	10,26
1,83 V	164,97	143,56	95,54	82,17	45,37	43,77	31,63	23,44	19,79	14,40	10,18
1,85 V	159,05	138,73	92,98	80,17	44,66	43,10	31,24	23,20	19,60	14,28	10,10
1,90 V	139,59	122,44	83,25	72,14	41,03	39,65	29,07	21,81	18,52	13,60	9,69
1,92 V	129,84	114,19	78,17	67,90	38,93	37,64	27,70	20,85	17,75	13,08	9,36
2,00 V	81,77	72,77	51,64	45,46	27,34	26,51	19,93	15,26	13,08	9,77	7,05

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

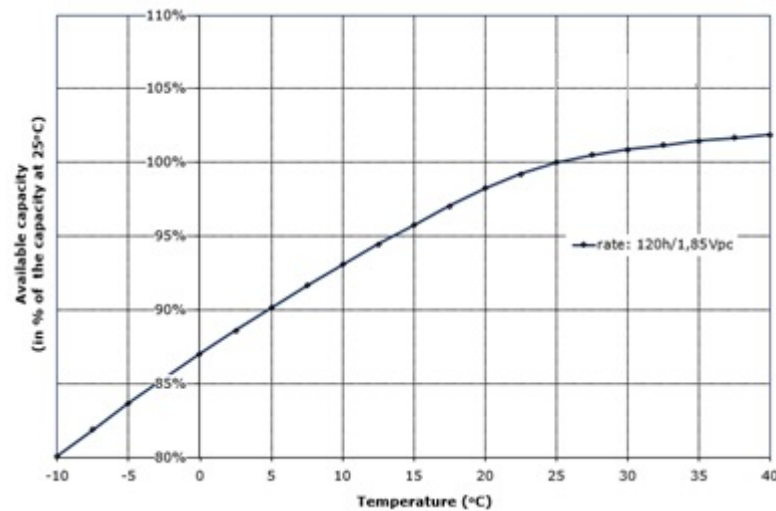
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	329,66	286,85	190,85	164,21	91,09	87,91	63,77	47,44	40,14	29,32	20,81
1,83 V	317,87	277,70	186,65	161,04	89,94	86,83	63,10	47,00	39,79	29,09	20,66
1,85 V	307,38	269,06	181,98	157,39	88,63	85,60	62,38	46,55	39,44	28,86	20,51
1,90 V	272,42	239,65	164,20	142,66	81,90	79,19	58,36	43,96	37,43	27,60	19,75
1,92 V	254,58	224,48	154,78	134,77	77,98	75,43	55,78	42,16	35,97	26,60	19,11
2,00 V	163,85	146,05	104,12	91,84	55,66	53,98	40,77	31,31	26,91	20,16	14,62



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



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

