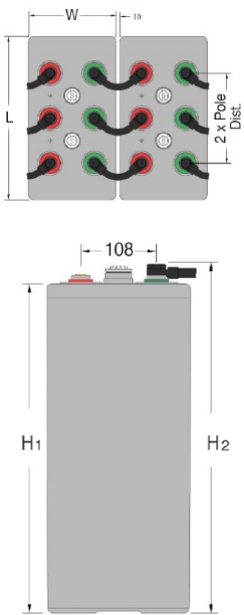


ARG-16-OPzV-2820 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C120 (1,85 V/cell, 20°C)	3132	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	2288	
Number of plates (+) per cell	16	
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)	13000	
Internal resistance (mOhm)	0,157	
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	399 x 214 x 771 x 799	
Weight (kg)	156,2	
Type and number of poles	M10 / 6	
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)

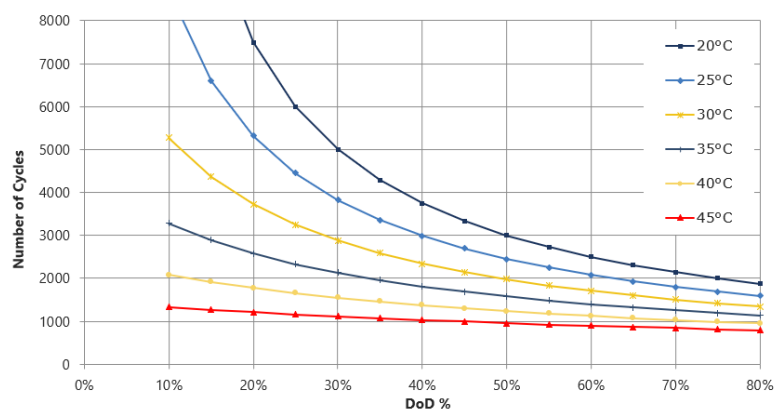
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	228,80	198,14	130,37	111,79	61,28	59,10	42,61	31,54	26,61	19,34	13,66
1,83 V	220,14	191,51	127,36	109,51	60,44	58,31	42,13	31,22	26,36	19,17	13,55
1,85 V	212,33	185,14	124,00	106,90	59,50	57,43	41,61	30,89	26,10	19,01	13,45
1,90 V	186,59	163,61	111,14	96,29	54,72	52,87	38,76	29,06	24,68	18,12	12,91
1,92 V	173,67	152,68	104,42	90,67	51,94	50,21	36,94	27,80	23,65	17,42	12,46
2,00 V	109,70	97,57	69,14	60,84	36,54	35,42	26,61	20,36	17,45	13,02	9,40

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

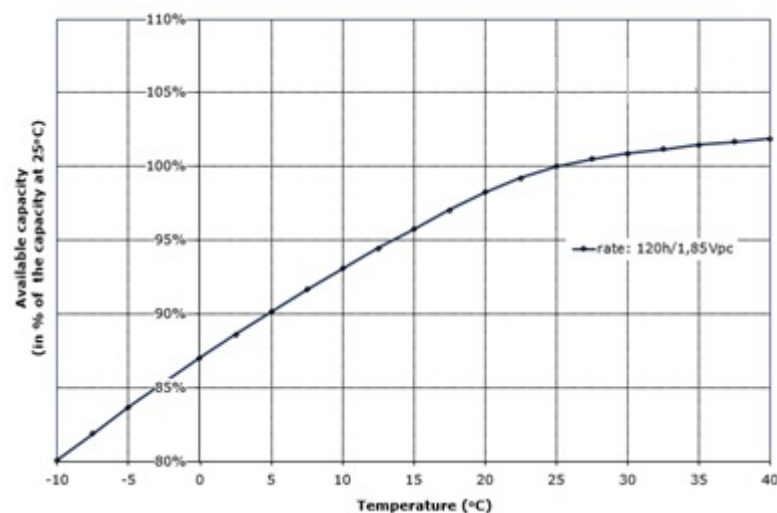
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	439,81	382,57	254,40	218,86	121,36	117,13	84,94	63,18	53,46	39,04	27,70
1,83 V	424,38	370,63	248,93	214,71	119,85	115,70	84,07	62,61	53,00	38,74	27,51
1,85 V	410,55	359,25	242,81	209,95	118,13	114,09	83,12	62,02	52,54	38,44	27,32
1,90 V	364,28	320,34	219,29	190,48	109,26	105,64	77,82	58,60	49,89	36,78	26,31
1,92 V	340,63	300,24	206,81	180,02	104,05	100,65	74,40	56,21	47,94	35,45	25,46
2,00 V	219,86	195,87	139,44	122,94	74,38	72,12	54,43	41,79	35,90	26,89	19,48



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



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

