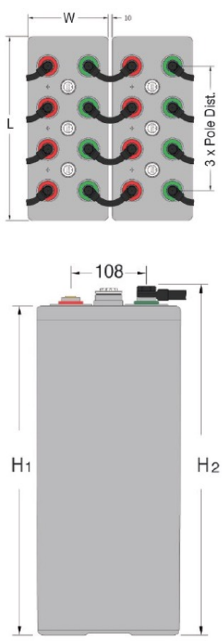


ARG-20-OPzV-3520 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C120 (1,85 V/cell, 20°C)	3903	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	2860	
Number of plates (+) per cell	20	
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)	16600	
Internal resistance (mOhm)	0,123	
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	487 x 212 x 769 x 797	
Weight (kg)	195,3	
Type and number of poles	M10 / 8	
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)

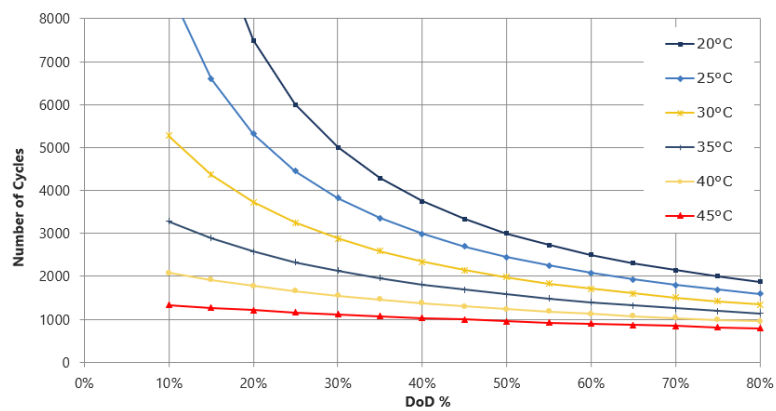
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	286,00	247,48	162,62	139,40	76,36	73,65	53,09	39,28	33,14	24,08	17,01
1,83 V	275,82	239,74	159,10	136,72	75,35	72,70	52,50	38,89	32,83	23,88	16,87
1,85 V	266,40	232,09	155,13	133,65	74,25	71,65	51,88	38,50	32,52	23,68	16,74
1,90 V	235,03	205,85	139,49	120,76	68,46	66,14	48,43	36,28	30,80	22,59	16,09
1,92 V	219,17	192,44	131,25	113,87	65,04	62,88	46,20	34,73	29,54	21,74	15,54
2,00 V	139,69	124,05	87,53	76,92	45,96	44,54	33,40	25,51	21,85	16,28	11,74

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

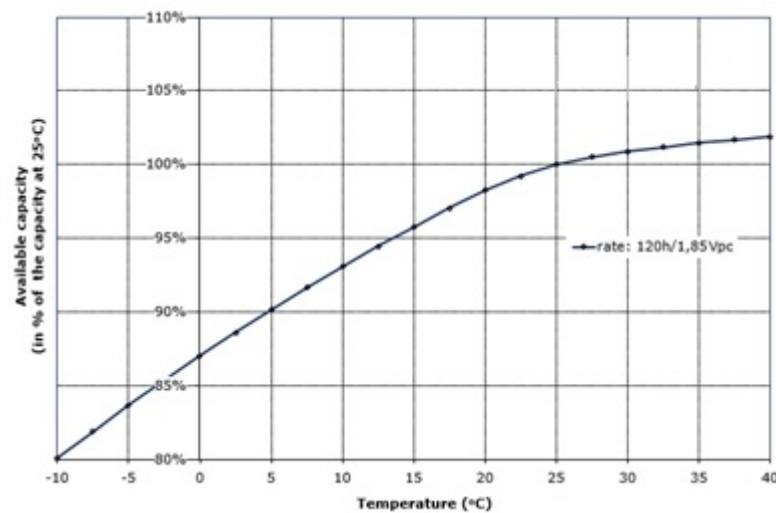
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	550,81	478,68	317,78	273,29	151,39	146,10	105,91	78,75	66,61	48,64	34,50
1,83 V	532,59	464,69	311,39	268,43	149,58	144,39	104,84	78,05	66,06	48,26	34,26
1,85 V	515,86	451,00	304,15	262,81	147,54	142,48	103,72	77,34	65,49	47,90	34,03
1,90 V	459,37	403,50	275,51	239,13	136,81	132,26	97,30	73,20	62,29	45,87	32,80
1,92 V	430,30	378,82	260,19	226,29	130,40	126,12	93,09	70,26	59,89	44,25	31,75
2,00 V	280,14	249,18	176,65	155,52	93,62	90,76	68,35	52,37	44,96	33,62	24,33



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



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

