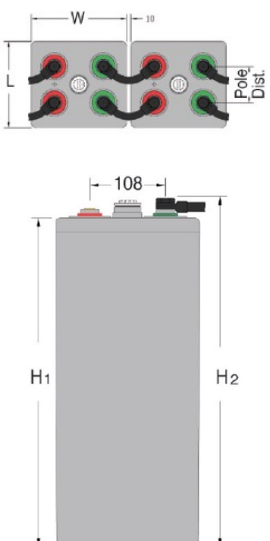


ARG-12-OPzV-1875 DATA SHEET



TECHNICAL CHARACTERISTICS		
Capacity (Ah), C120 (1,85 V/cell, 20°C)	2043	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	1500	
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)	9050	
Internal resistance (mOhm)	0,225	
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 645 x 673	
Weight (kg)	95,3	
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)

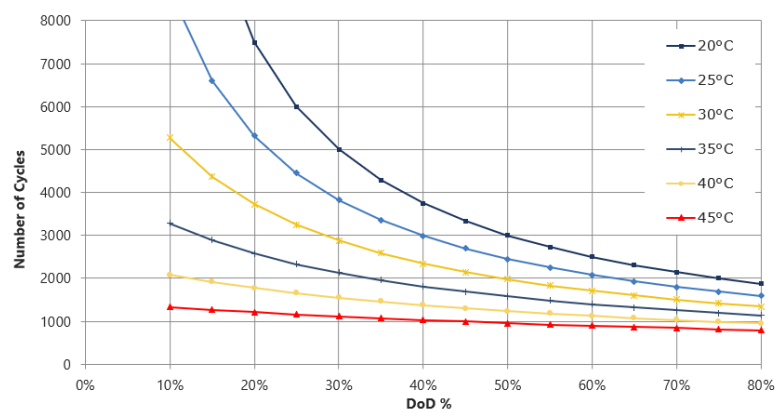
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	150,00	129,75	85,23	73,07	40,04	38,62	27,85	20,61	17,39	12,65	8,93
1,83 V	144,53	125,54	83,25	71,55	39,46	38,06	27,50	20,38	17,21	12,53	8,85
1,85 V	139,46	121,39	81,02	69,80	38,79	37,44	27,13	20,15	17,02	12,40	8,78
1,90 V	122,51	107,17	72,45	62,68	35,48	34,28	25,09	18,80	15,96	11,72	8,36
1,92 V	113,93	99,90	67,95	58,91	33,58	32,46	23,84	17,92	15,24	11,22	8,02
2,00 V	70,92	62,88	44,20	38,80	23,11	22,39	16,76	12,80	10,96	8,16	5,88

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

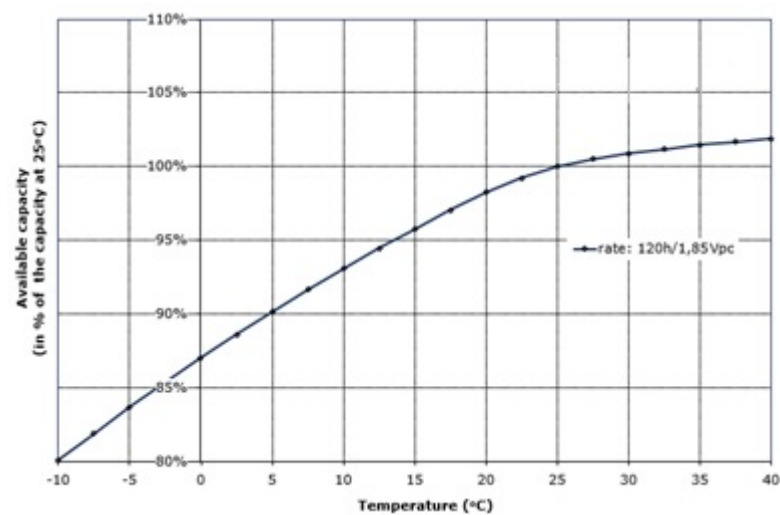
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	288,77	250,77	166,30	142,99	79,18	76,41	55,38	41,18	34,84	25,44	18,05
1,83 V	278,96	243,16	162,70	140,23	78,12	75,41	54,77	40,77	34,51	25,22	17,91
1,85 V	269,93	235,73	158,64	137,03	76,91	74,27	54,08	40,34	34,17	25,00	17,77
1,90 V	239,33	209,95	142,93	123,96	70,76	68,40	50,29	37,83	32,19	23,72	16,98
1,92 V	223,57	196,53	134,55	116,92	67,21	64,99	47,93	36,16	30,82	22,77	16,34
2,00 V	142,12	126,20	89,10	78,35	46,99	45,55	34,24	26,22	22,50	16,82	12,17



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



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

