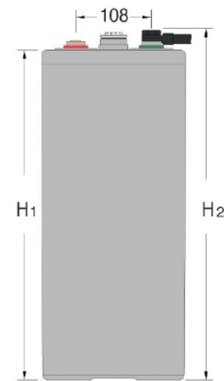
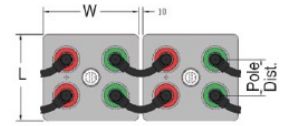


# ARG-8-OPzV-1245 DATA SHEET

TECHNICAL CHARACTERISTICS	
Capacity (Ah), C120 (1,85 V/cell, 20°C)	1358
Capacity (Ah), C10 (1,80 V/cell, 20°C)	1000
Number of plates (+) per cell	8
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)	6300
Internal resistance (mOhm)	0,325
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	191 x 210 x 644 x 672
Weight (kg)	65,5
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)

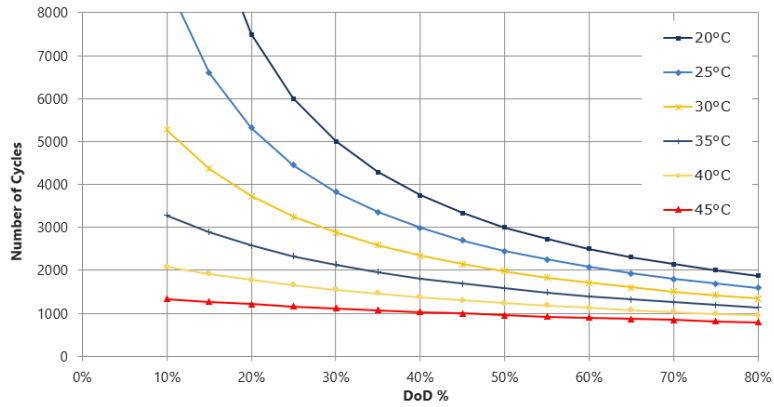
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	100,00	86,44	56,71	48,60	26,61	25,67	18,50	13,69	11,55	8,40	5,93
1,83 V	96,61	83,84	55,48	47,66	26,24	25,32	18,28	13,55	11,43	8,32	5,88
1,85 V	93,37	81,20	54,09	46,56	25,83	24,92	18,04	13,39	11,31	8,24	5,83
1,90 V	82,38	71,99	48,54	41,97	23,69	22,89	16,73	12,52	10,63	7,80	5,55
1,92 V	76,78	67,25	45,61	39,50	22,45	21,70	15,91	11,94	10,15	7,47	5,34
2,00 V	48,32	42,77	29,93	26,23	15,53	15,05	11,24	8,56	7,32	5,45	3,92

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

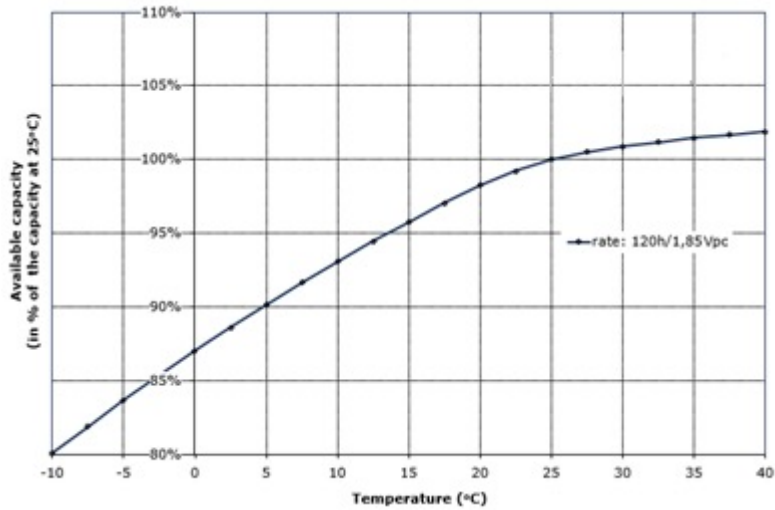
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	192,90	167,37	110,82	95,25	52,69	50,84	36,84	27,38	23,16	16,91	11,99
1,83 V	186,80	162,67	108,60	93,54	52,02	50,21	36,44	27,12	22,95	16,76	11,90
1,85 V	181,01	157,93	106,05	91,54	51,26	49,49	36,00	26,84	22,73	16,62	11,81
1,90 V	161,15	141,20	95,87	83,08	47,29	45,71	33,56	25,22	21,45	15,79	11,29
1,92 V	150,85	132,44	90,41	78,48	44,97	43,48	32,02	24,12	20,55	15,16	10,87
2,00 V	96,91	85,90	60,37	53,00	31,61	30,63	22,97	17,55	15,04	11,22	8,11



## EXPECTED NUMBER OF CYCLES VS. DOD



## CAPACITY VS. TEMPERATURE



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

