

ARG-10-OPZV-1400 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C ₁₀₀ (1,80 V/cell, 20°C)	1610	
Capacity (Ah), C ₁₀ (1,80 V/cell, 20°C)	1150	
Number of plates (+) per cell	10	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	345 (0,3 C ₁₀)	
Recommended Boost Charge Voltage (V/cell)	2,35	
Recommended End of Discharge voltage for 120h rate (V/cell)	1,85	
Short circuit current (A)	7700	
Internal resistance (mΩ)	0,265	
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	233 x 210 x 646 / 674	
Pole Distance (mm)	110	
Weight (kg)	80.4	
Type and number of poles	M10 / 4	

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

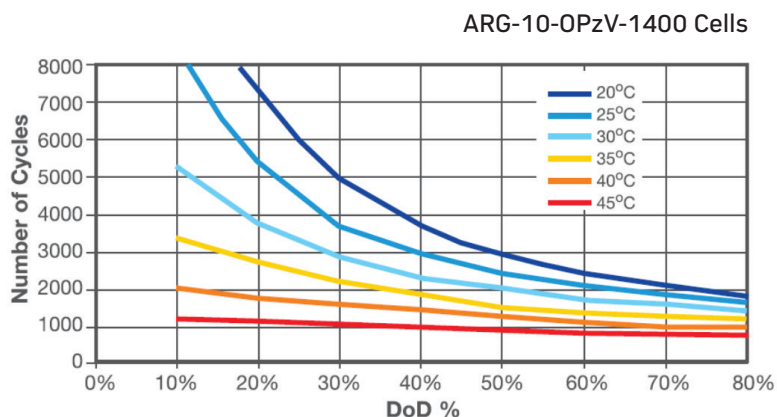
DISCHARGE TIME											
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	115,00	99,43	65,38	56,11	30,94	29,86	21,64	16,10	13,63	9,98	7,12
1,83 V	109,43	94,86	62,78	53,99	29,98	28,94	21,04	15,70	13,31	9,76	6,97
1,85 V	104,80	91,00	60,48	52,09	29,09	28,09	20,48	15,32	13,00	9,56	6,84
1,90 V	90,07	78,61	52,95	45,79	25,98	25,11	18,45	13,89	11,83	8,75	6,29
1,92 V	82,80	72,48	49,18	42,65	24,41	23,61	17,42	13,15	11,22	8,31	5,99
2,00 V	47,07	42,03	30,12	26,62	16,21	15,71	11,87	9,10	7,81	5,82	4,27

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

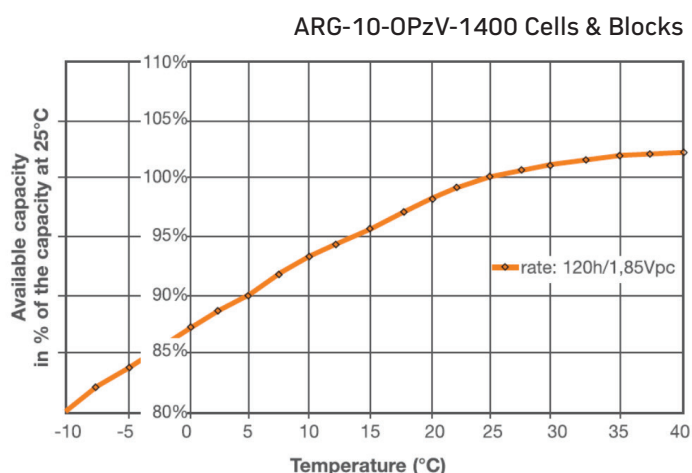
DISCHARGE TIME											
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	216,98	188,42	125,31	107,94	60,36	58,29	42,55	31,87	27,08	19,96	14,32
1,83 V	207,38	180,50	120,73	104,19	58,65	56,66	41,49	31,15	26,50	19,56	14,06
1,85 V	199,35	173,76	116,67	100,82	57,04	55,12	40,47	30,46	25,94	19,18	13,82
1,90 V	173,27	151,73	103,09	89,45	51,37	49,69	36,76	27,83	23,78	17,69	12,80
1,92 V	160,14	140,59	96,19	83,66	48,46	46,89	34,82	26,44	22,62	16,87	12,23
2,00 V	93,17	83,32	60,08	53,20	32,78	31,79	24,18	18,60	16,07	12,05	8,95



EXPECTED NUMBER OF CYCLES VS. DoD



CAPACITY VS. TEMPERATURE



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

