

ARG-12-OPZV-2100 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C ₁₀₀ (1,80 V/cell, 20°C)	2197	
Capacity (Ah), C ₁₀ (1,80 V/cell, 20°C)	1620	
Number of plates (+) per cell	12	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	486 (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)	9700	
Internal resistance (mΩ)	0,210	
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 796 / 824	
Pole Distance (mm)	140	
Weight (kg)	110,1	
Type and number of poles	M10 / 4	

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

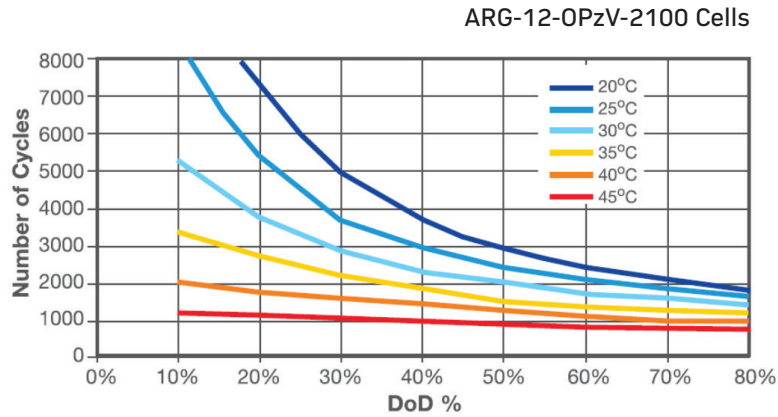
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	162,00	139,83	91,41	78,25	42,71	41,18	29,67	21,97	18,56	13,53	9,62
1,83 V	154,10	133,35	87,71	75,24	41,35	39,89	28,83	21,40	18,10	13,22	9,42
1,85 V	147,53	127,87	84,45	72,54	40,09	38,69	28,04	20,86	17,66	12,93	9,22
1,90 V	126,58	110,25	73,75	63,62	35,72	34,50	25,20	18,87	16,03	11,79	8,46
1,92 V	116,23	101,52	68,41	59,17	33,52	32,39	23,75	17,83	15,17	11,19	8,04
2,00 V	65,36	58,22	41,44	36,54	22,00	21,32	16,02	12,21	10,42	7,68	5,42

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

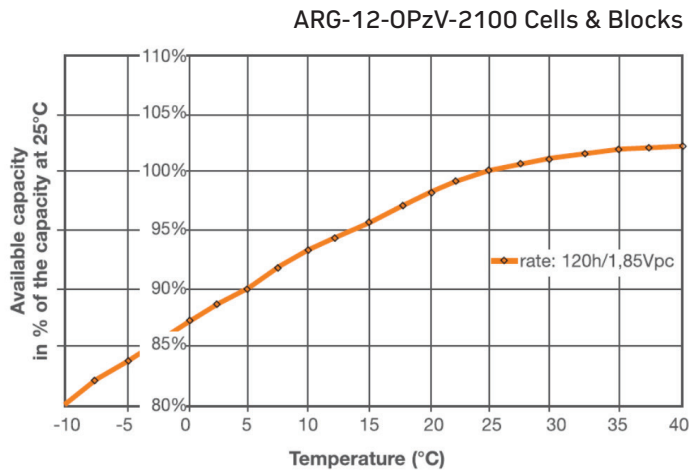
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	305,70	265,01	175,20	150,54	83,30	80,39	58,34	43,47	36,84	27,02	19,34
1,83 V	292,08	253,77	168,70	145,22	80,89	78,09	56,84	42,46	36,02	26,47	18,97
1,85 V	280,68	244,20	162,93	140,43	78,62	75,93	55,42	41,48	35,23	25,95	18,62
1,90 V	243,59	212,85	143,64	124,30	70,64	68,28	50,20	37,81	32,21	23,84	17,19
1,92 V	224,89	196,98	133,84	116,09	66,54	64,34	47,48	35,86	30,60	22,69	16,39
2,00 V	129,45	115,51	82,75	73,06	44,42	43,16	32,53	25,08	21,34	15,81	11,30



EXPECTED NUMBER OF CYCLES VS. DoD



CAPACITY VS. TEMPERATURE



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

