

ARG-16-OPZV-2800 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C ₁₀₀ (1,80 V/cell, 20°C)	2927	
Capacity (Ah), C ₁₀ (1,80 V/cell, 20°C)	2160	
Number of plates (+) per cell	16	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	648 (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)	13000	
Internal resistance (mΩ)	0,157	
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	399 x 214 x 771 / 799	
Pole Distance (mm)	110	
Weight (kg)	156,1	
Type and number of poles	M10 / 6	

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

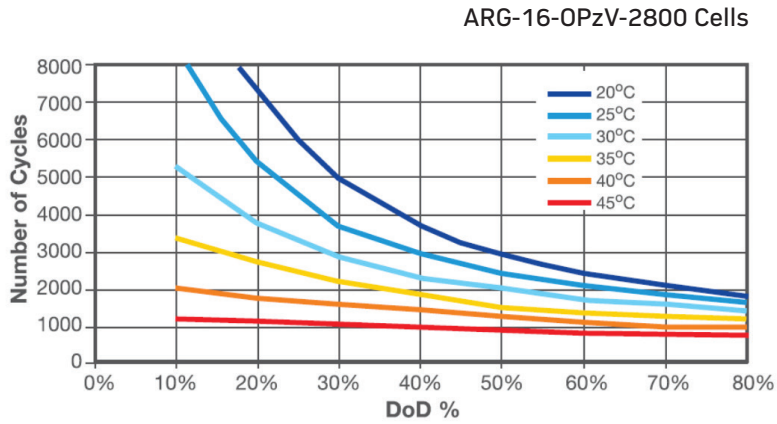
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	216,00	186,41	121,83	104,28	56,91	54,87	39,53	29,27	24,72	18,02	12,81
1,83 V	205,55	177,84	116,94	100,30	55,11	53,16	38,42	28,52	24,11	17,61	12,54
1,85 V	196,84	170,58	112,62	96,73	53,43	51,56	37,37	27,80	23,53	17,23	12,29
1,90 V	169,03	147,19	98,41	84,88	47,63	46,00	33,59	25,15	21,36	15,72	11,26
1,92 V	155,28	135,59	91,31	78,96	44,70	43,19	31,66	23,77	20,22	14,91	10,71
2,00 V	87,52	77,93	55,41	48,83	29,37	28,46	21,37	16,29	13,90	10,24	7,23

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

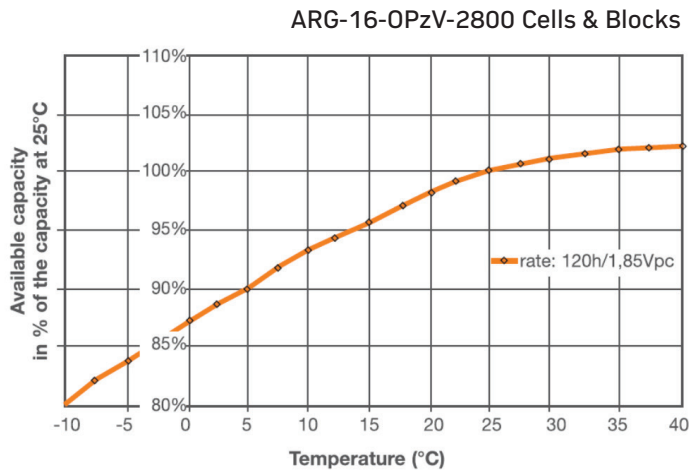
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	407,72	353,41	233,56	200,67	111,01	107,13	77,73	57,92	49,08	36,00	25,76
1,83 V	389,70	338,53	224,97	193,63	107,81	104,09	75,75	56,58	47,99	35,27	25,27
1,85 V	374,58	325,85	217,31	187,29	104,81	101,22	73,86	55,28	46,95	34,57	24,80
1,90 V	325,34	284,22	191,70	165,86	94,20	91,05	66,92	50,39	42,93	31,76	22,90
1,92 V	300,49	263,14	178,68	154,96	88,75	85,82	63,31	47,80	40,78	30,23	21,84
2,00 V	173,36	154,64	110,66	97,66	59,30	57,62	43,40	33,45	28,45	21,08	15,06



EXPECTED NUMBER OF CYCLES VS. DoD



CAPACITY VS. TEMPERATURE



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

