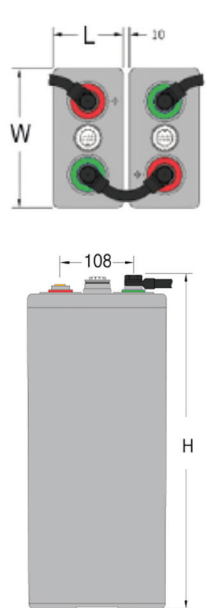


ARG-5-OPZV-490 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C ₁₀₀ (1,80 V/cell, 20°C)	556	
Capacity (Ah), C ₁₀ (1,80 V/cell, 20°C)	405	
Number of plates (+) per cell	5	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	121 (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)	3580	
Internal resistance (mΩ)	0,570	
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	124 x 206 x 471 / 499	
Weight (kg)	30,0	
Type and number of poles	M10 / 2	

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

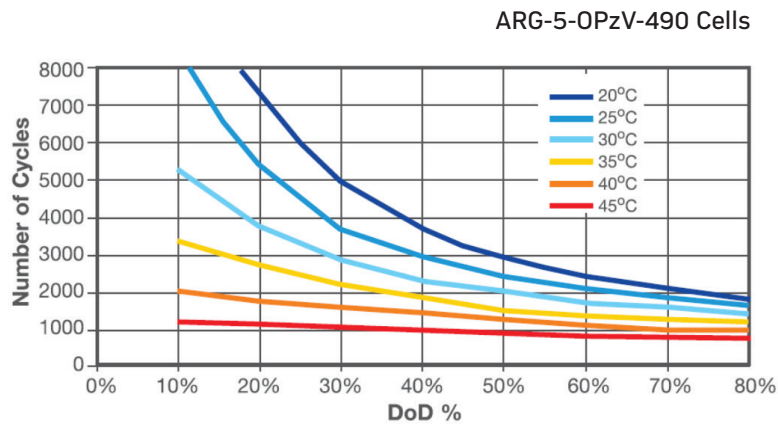
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	40,50	34,98	22,94	19,66	10,78	10,40	7,50	5,56	4,70	3,43	2,44
1,83 V	38,69	33,48	22,06	18,94	10,44	10,07	7,29	5,41	4,58	3,35	2,39
1,85 V	37,14	32,18	21,27	18,28	10,12	9,77	7,08	5,27	4,47	3,27	2,34
1,90 V	32,12	27,94	18,65	16,08	9,01	8,70	6,35	4,75	4,04	2,98	2,14
1,92 V	29,59	25,80	17,32	14,97	8,45	8,16	5,98	4,49	3,82	2,82	2,03
2,00 V	16,76	14,87	10,47	9,19	5,47	5,30	3,97	3,04	2,58	1,91	1,38

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

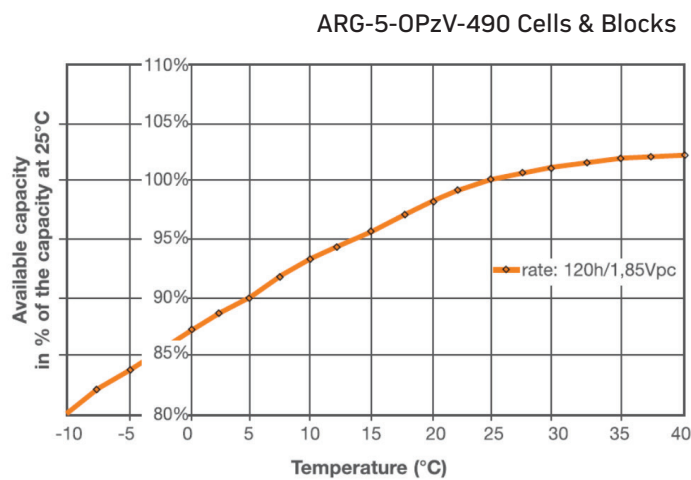
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	76,68	66,48	44,03	37,87	21,03	20,30	14,74	10,99	9,32	6,85	4,91
1,83 V	73,54	63,87	42,49	36,59	20,42	19,72	14,36	10,73	9,11	6,70	4,81
1,85 V	70,84	61,59	41,09	35,43	19,85	19,17	13,99	10,47	8,90	6,56	4,72
1,90 V	61,89	54,00	36,35	31,44	17,83	17,23	12,65	9,52	8,11	6,01	4,34
1,92 V	57,31	50,11	33,91	29,39	16,78	16,22	11,95	9,02	7,69	5,71	4,13
2,00 V	33,19	29,49	20,90	18,39	11,07	10,72	8,07	6,20	5,30	3,95	2,87



EXPECTED NUMBER OF CYCLES VS. DoD



CAPACITY VS. TEMPERATURE



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

