

# ARG-8-OPZV-1120 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C <sub>100</sub> (1,80 V/cell, 20°C)	1287	
Capacity (Ah), C <sub>10</sub> (1,80 V/cell, 20°C)	920	
Number of plates (+) per cell	8	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	276 (0,3 C <sub>10</sub> )	
Recommended Boost Charge Voltage (V/cell)	2,35	
Recommended End of Discharge voltage for 120h rate (V/cell)	1,85	
Short circuit current (A)	6300	
Internal resistance (mΩ)	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 / 672	
Pole Distance (mm)	80	
Weight (kg)	65,5	
Type and number of poles	M10 / 4	

## CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

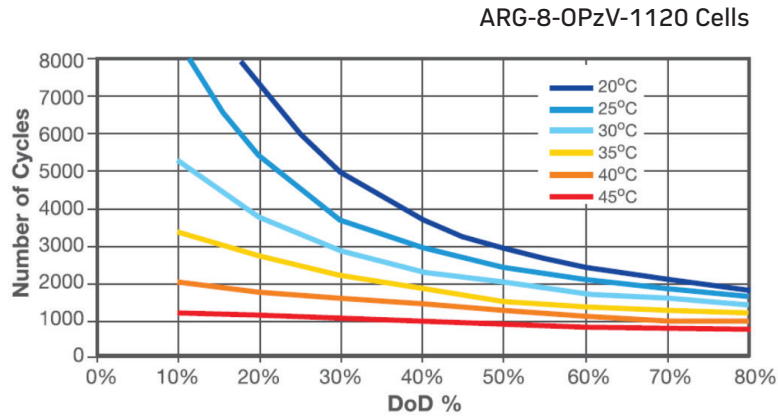
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	92,00	79,53	52,28	44,86	24,73	23,86	17,29	12,87	10,89	7,97	5,69
1,83 V	87,59	75,91	50,22	43,18	23,97	23,14	16,82	12,55	10,64	7,80	5,57
1,85 V	83,92	72,85	48,40	41,67	23,26	22,46	16,37	12,24	10,39	7,64	5,46
1,90 V	72,20	63,00	42,40	36,67	20,79	20,09	14,76	11,11	9,46	6,99	5,03
1,92 V	66,42	58,12	39,41	34,16	19,54	18,89	13,93	10,52	8,97	6,65	4,79
2,00 V	37,88	33,80	24,19	21,36	12,99	12,59	9,50	7,29	6,25	4,66	3,41

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

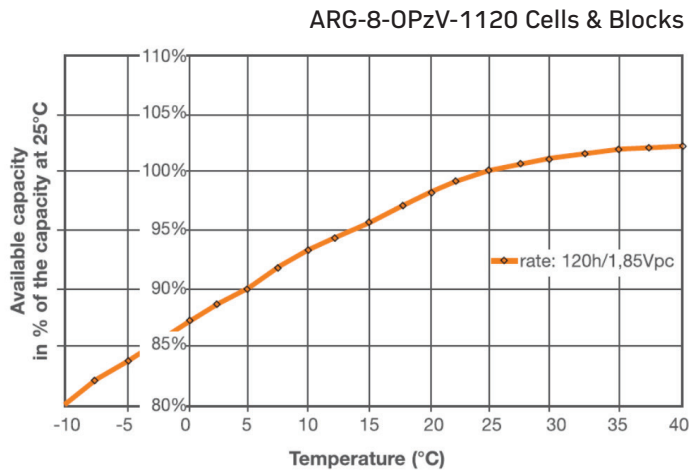
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	173,65	150,77	100,23	86,33	48,25	46,60	34,01	25,47	21,64	15,94	11,44
1,83 V	166,05	144,50	96,61	83,36	46,90	45,31	33,17	24,90	21,18	15,63	11,24
1,85 V	159,68	139,15	93,38	80,69	45,62	44,09	32,36	24,35	20,74	15,33	11,04
1,90 V	138,93	121,63	82,59	71,64	41,11	39,76	29,40	22,26	19,02	14,14	10,23
1,92 V	128,48	112,76	77,09	67,03	38,79	37,53	27,86	21,15	18,09	13,49	9,77
2,00 V	74,99	67,03	48,26	42,71	26,27	25,48	19,37	14,89	12,86	9,64	7,15



## EXPECTED NUMBER OF CYCLES VS. DoD



## CAPACITY VS. TEMPERATURE



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

