

# ARG-20-OPZV-3500 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C <sub>100</sub> (1,80 V/cell, 20°C)	3655	
Capacity (Ah), C <sub>10</sub> (1,80 V/cell, 20°C)	2700	
Number of plates (+) per cell	20	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	810 (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)	16600	
Internal resistance (mΩ)	0,123	
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	487 x 212 x 769 / 797	
Pole Distance (mm)	110	
Weight (kg)	195,3	
Type and number of poles	M10 / 8	

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

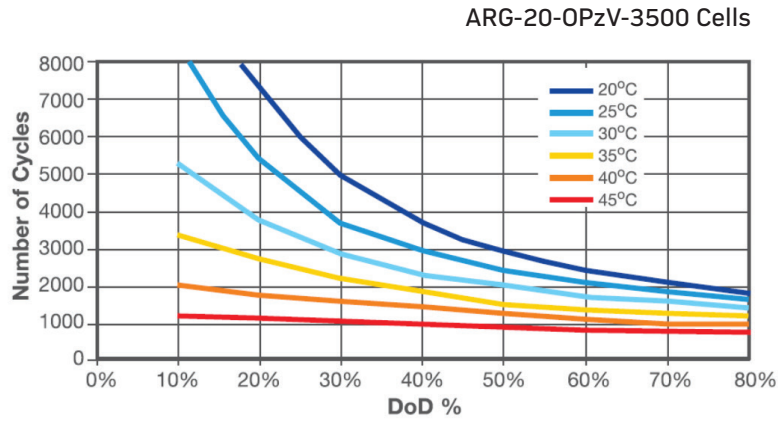
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	270,00	232,98	152,22	130,29	71,08	68,54	49,37	36,55	30,87	22,50	16,00
1,83 V	256,93	222,25	146,08	125,27	68,80	66,37	47,96	35,59	30,09	21,98	15,66
1,85 V	246,02	213,14	140,65	120,78	66,69	64,35	46,63	34,68	29,36	21,49	15,33
1,90 V	211,16	183,82	122,81	105,90	59,37	57,34	41,87	31,34	26,61	19,57	14,03
1,92 V	193,92	169,26	113,89	98,46	55,68	53,80	39,42	29,59	25,17	18,55	13,32
2,00 V	108,77	96,82	68,75	60,55	36,41	35,23	26,49	20,13	17,21	12,67	8,92

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

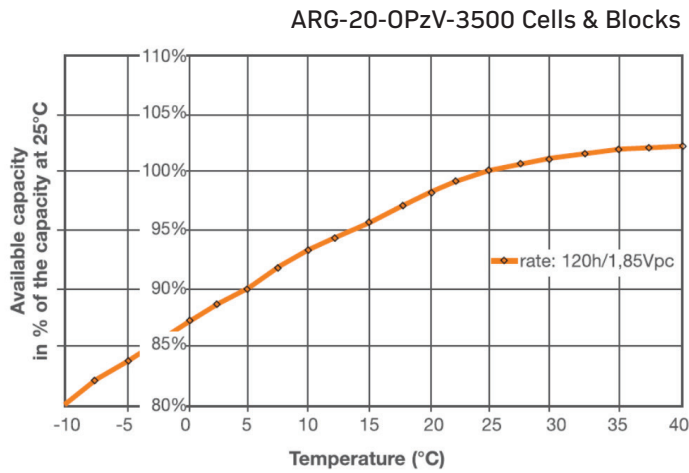
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	509,69	441,70	291,79	250,66	138,62	133,77	97,04	72,30	61,26	44,92	32,15
1,83 V	487,14	423,06	280,99	241,80	134,57	129,92	94,52	70,59	59,88	44,00	31,52
1,85 V	468,19	407,16	271,37	233,83	130,77	126,28	92,13	68,94	58,54	43,10	30,92
1,90 V	406,43	354,93	239,20	206,90	117,41	113,47	83,37	62,76	53,46	39,54	28,49
1,92 V	375,23	328,47	222,83	193,19	110,54	106,88	78,81	59,48	50,74	37,61	27,16
2,00 V	215,45	192,07	137,26	121,13	73,47	71,38	53,75	41,31	35,21	26,07	18,57



## EXPECTED NUMBER OF CYCLES VS. DoD



## CAPACITY VS. TEMPERATURE



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

