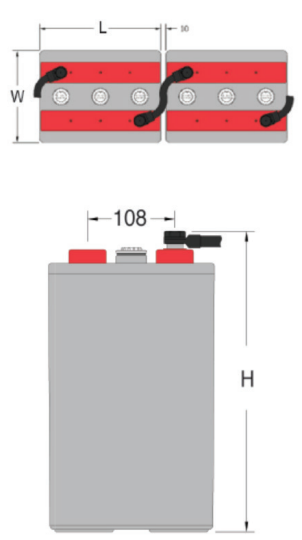


ARG-12V-3-OPZV-180 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C ₁₀₀ (1,80 V/cell, 20°C)	131	
Capacity (Ah), C ₁₀ (1,80 V/cell, 20°C)	102	
Number of plates (+) per cell	2	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	30 (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)	1290	
Internal resistance (mΩ)	9,50	
Number of cycles at 60% depth of discharge (20°C)	2000	
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	272 x 205 x 332 / 372	
Pole Distance (mm)	50,5	
Weight (kg)	M10 / 2	
Type and number of poles	M10 / 4	

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

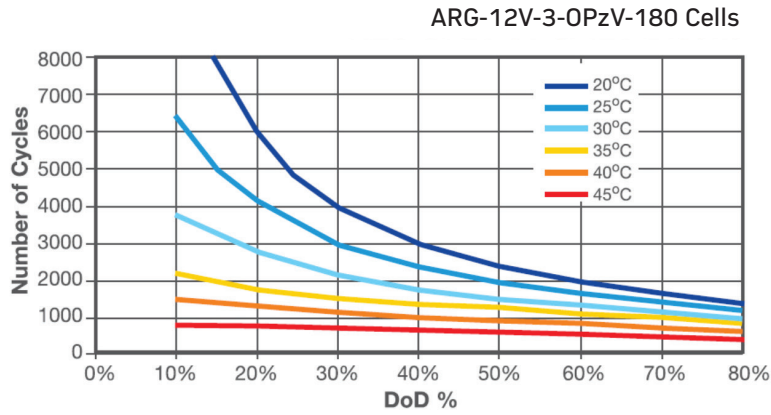
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	15,30	13,13	8,46	7,21	3,87	3,73	2,67	1,97	1,66	1,20	0,86
1,83 V	14,62	12,57	8,14	6,95	3,75	3,61	2,59	1,91	1,61	1,17	0,84
1,85 V	14,02	12,07	7,84	6,70	3,63	3,50	2,51	1,86	1,57	1,14	0,82
1,90 V	12,10	10,45	6,85	5,87	3,22	3,10	2,24	1,66	1,41	1,03	0,74
1,92 V	11,16	9,66	6,37	5,46	3,01	2,91	2,10	1,57	1,33	0,98	0,70
2,00 V	6,61	5,80	3,95	3,43	1,96	1,90	1,40	1,05	0,90	0,68	0,46

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

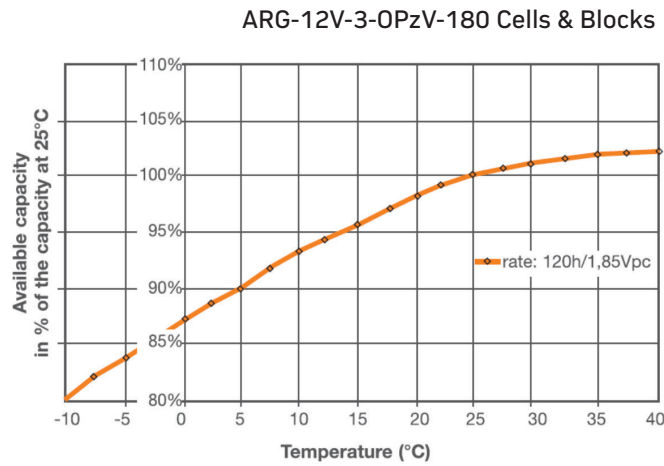
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	29,10	25,06	16,31	13,95	7,58	7,31	5,26	3,89	3,29	2,40	1,72
1,83 V	27,91	24,08	15,74	13,48	7,36	7,10	5,12	3,79	3,21	2,35	1,68
1,85 V	26,85	23,20	15,21	13,03	7,15	6,89	4,98	3,70	3,13	2,29	1,65
1,90 V	23,42	20,29	13,42	11,53	6,39	6,17	4,48	3,34	2,83	2,09	1,51
1,92 V	21,72	18,85	12,52	10,77	6,00	5,80	4,22	3,16	2,68	1,98	1,43
2,00 V	13,15	11,55	7,93	6,90	3,99	3,86	2,85	2,15	1,85	1,39	0,96



EXPECTED NUMBER OF CYCLES VS. DoD



CAPACITY VS. TEMPERATURE



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

