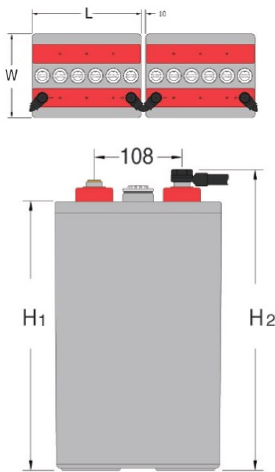


ARG-12V-3-OPzV-185 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C120 (1,85 V/cell, 20°C)	209	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	162	
Number of plates (+) per cell	3	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	0,3 C10	
Recommended Boost Charge Voltage (V/cell)	2,35	
Recommended End of Discharge voltage for 120-hr rate (V/cell)	1,85	
Short circuit current (A)	2060	
Internal resistance (mOhm)	6,00	
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	380 x 205 x 332 x 372	
Weight (kg)	71,8	
Type and number of poles	M10 / 2	
Operating Temperature / Recommended Temperature	-20°C to 45°C / 10°C - 30°C	

*All dimensions and weights shown are subject to manufacturing tolerances.

** Vertical installation is the default installation for the cells. For horizontal installation special cells are available upon customer request.

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

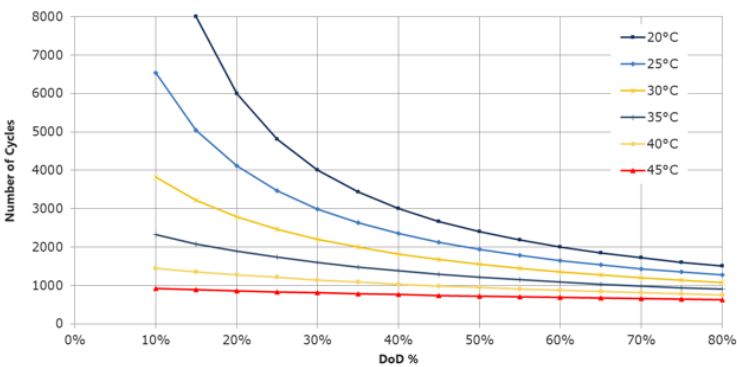
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	16,20	13,91	8,99	7,67	4,15	4,00	2,87	2,11	1,78	1,29	0,90
1,83 V	15,77	13,57	8,82	7,54	4,09	3,95	2,83	2,09	1,76	1,27	0,89
1,85 V	15,30	13,20	8,62	7,38	4,03	3,89	2,80	2,07	1,74	1,26	0,89
1,90 V	13,62	11,79	7,78	6,68	3,71	3,58	2,60	1,94	1,64	1,20	0,85
1,92 V	12,74	11,04	7,32	6,30	3,52	3,40	2,48	1,85	1,57	1,15	0,81
2,00 V	8,14	7,13	4,88	4,25	2,48	2,40	1,78	1,34	1,15	0,85	0,60

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

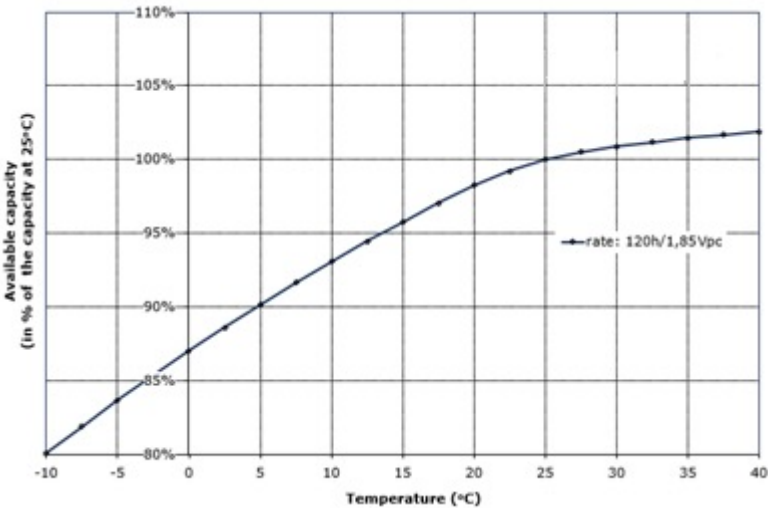
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	31,50	27,11	17,65	15,09	8,24	7,94	5,72	4,23	3,57	2,59	1,83
1,83 V	30,72	26,50	17,34	14,85	8,14	7,85	5,66	4,19	3,54	2,57	1,81
1,85 V	29,88	25,82	16,98	14,57	8,03	7,74	5,60	4,15	3,51	2,55	1,80
1,90 V	26,81	23,24	15,42	13,28	7,43	7,18	5,24	3,91	3,32	2,43	1,72
1,92 V	25,17	21,86	14,57	12,57	7,08	6,84	5,00	3,75	3,18	2,34	1,66
2,00 V	16,37	14,36	9,87	8,61	5,05	4,89	3,64	2,76	2,36	1,75	1,25



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



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

