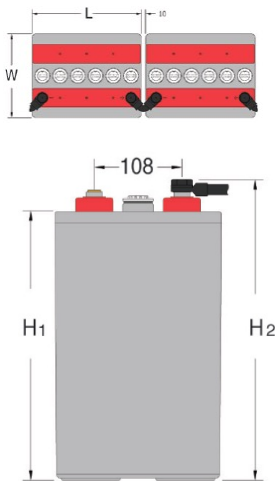


ARG-12V-2-OPzV-125 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C120 (1,85 V/cell, 20°C)	139	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	108	
Number of plates (+) per cell	2	
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)	1460	
Internal resistance (mOhm)	8,40	
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 x 372	
Weight (kg)	50,6	
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)

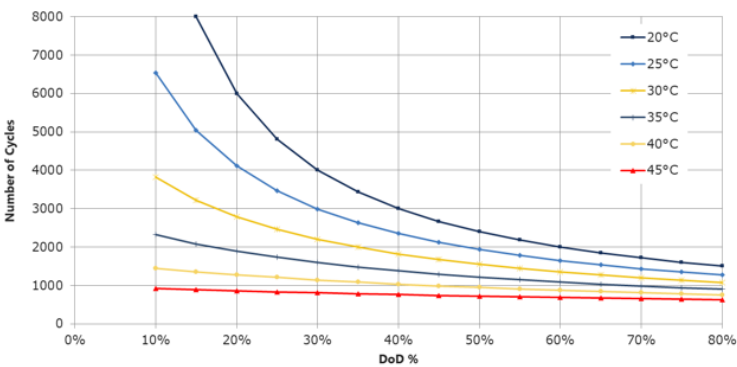
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	10,80	9,27	5,99	5,11	2,77	2,67	1,91	1,41	1,18	0,86	0,60
1,83 V	10,51	9,05	5,88	5,02	2,73	2,63	1,89	1,39	1,17	0,85	0,60
1,85 V	10,20	8,80	5,75	4,92	2,69	2,59	1,87	1,38	1,16	0,84	0,59
1,90 V	9,08	7,86	5,18	4,46	2,47	2,39	1,74	1,29	1,09	0,80	0,56
1,92 V	8,50	7,36	4,88	4,20	2,35	2,27	1,65	1,23	1,05	0,76	0,54
2,00 V	5,43	4,75	3,25	2,83	1,65	1,60	1,18	0,90	0,76	0,56	0,40

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

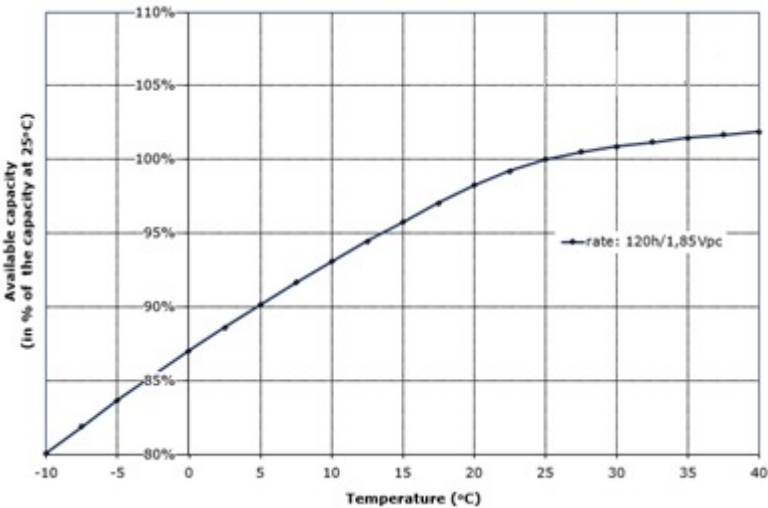
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	21,00	18,07	11,76	10,06	5,49	5,29	3,81	2,82	2,38	1,73	1,22
1,83 V	20,48	17,67	11,56	9,90	5,42	5,23	3,77	2,80	2,36	1,71	1,21
1,85 V	19,92	17,22	11,32	9,71	5,35	5,16	3,73	2,77	2,34	1,70	1,20
1,90 V	17,87	15,49	10,28	8,85	4,96	4,79	3,49	2,61	2,21	1,62	1,15
1,92 V	16,78	14,57	9,71	8,38	4,72	4,56	3,34	2,50	2,12	1,56	1,11
2,00 V	10,91	9,57	6,58	5,74	3,37	3,26	2,43	1,84	1,57	1,17	0,84



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



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

