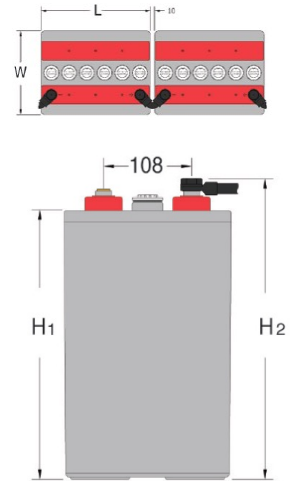


# ARG-12V-1-OPzV-65 DATA SHEET

TECHNICAL CHARACTERISTICS	
Capacity (Ah), C120 (1,85 V/cell, 20°C)	70
Capacity (Ah), C10 (1,80 V/cell, 20°C)	54
Number of plates (+) per cell	1
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)	740
Internal resistance (mOhm)	16,80
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)	42,2
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)

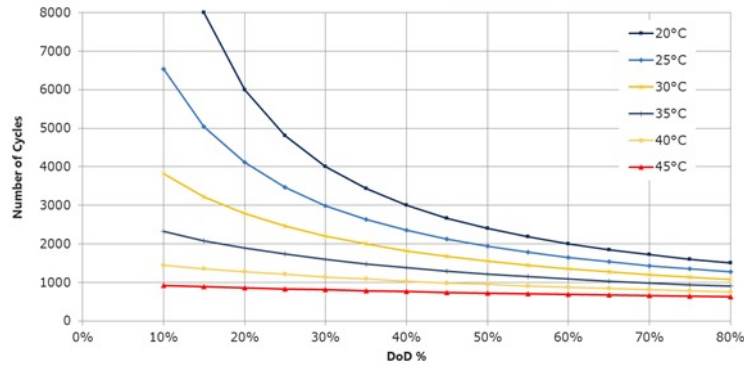
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	5,40	4,64	3,00	2,56	1,38	1,33	0,96	0,70	0,59	0,43	0,30
1,83 V	5,26	4,52	2,94	2,51	1,36	1,32	0,94	0,70	0,59	0,42	0,30
1,85 V	5,10	4,40	2,87	2,46	1,34	1,30	0,93	0,69	0,58	0,42	0,30
1,90 V	4,54	3,93	2,59	2,23	1,24	1,19	0,87	0,65	0,55	0,40	0,28
1,92 V	4,25	3,68	2,44	2,10	1,17	1,13	0,83	0,62	0,52	0,38	0,27
2,00 V	2,71	2,38	1,63	1,42	0,83	0,80	0,59	0,45	0,38	0,28	0,20

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

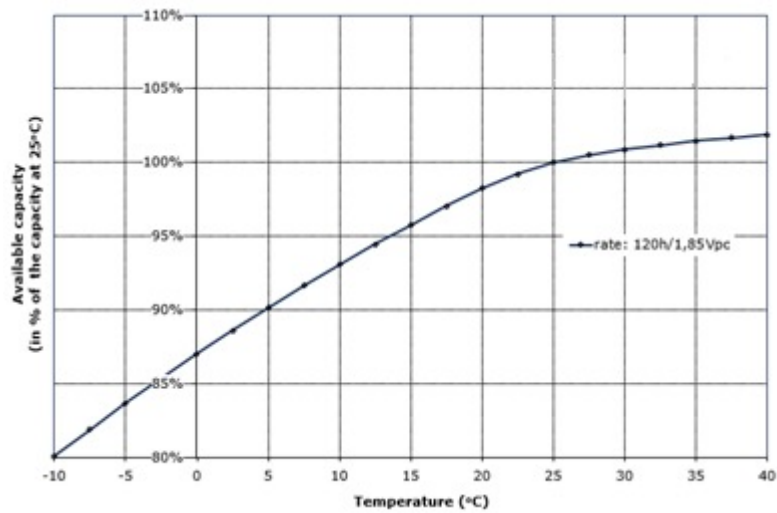
End Voltage (V/cell)	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	10,50	9,04	5,88	5,03	2,75	2,65	1,91	1,41	1,19	0,86	0,61
1,83 V	10,24	8,83	5,78	4,95	2,71	2,62	1,89	1,40	1,18	0,86	0,60
1,85 V	9,96	8,61	5,66	4,86	2,68	2,58	1,87	1,38	1,17	0,85	0,60
1,90 V	8,94	7,75	5,14	4,43	2,48	2,39	1,75	1,30	1,11	0,81	0,57
1,92 V	8,39	7,29	4,86	4,19	2,36	2,28	1,67	1,25	1,06	0,78	0,55
2,00 V	5,46	4,79	3,29	2,87	1,68	1,63	1,21	0,92	0,79	0,58	0,42



## EXPECTED NUMBER OF CYCLES VS. DOD



## CAPACITY VS. TEMPERATURE



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

