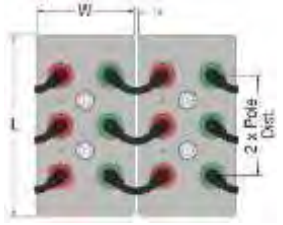



## OPzV 3000 Datasheet

### Technical Characteristics

Capacity (Ah), C120 (1,85 V/cell, 20°C)	2824	  
Capacity (Ah), C10 (1,80 V/cell, 20°C)	2160	
Number of plates (+) per cell	16	
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)	12680	
Internal resistance (mOhm/cell)	0,160	
Number of cycles at 50%/60% depth of discharge (at 20°C)	3.000/2.500	
Number of cycles at 50%/60% depth of discharge (at 25°C)	2.400/2.100	
Self-discharge rate per month at 20 °C	Approx. 2%	
Dimensions in mm (LxWxH1/H2) H1 = Height to the lid / H2 = Height to the pole	399 x 214 x 772 / 799	
Weight (kg)	165	
Type and number of poles	M10 / 6	

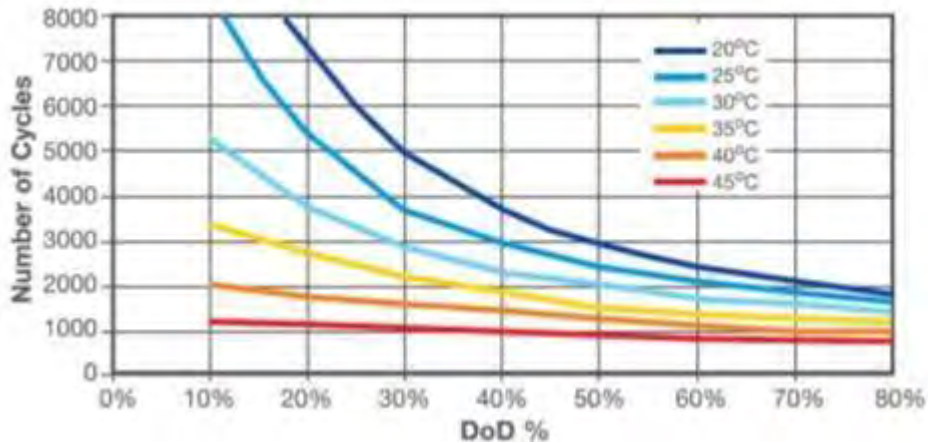
### Constant Current Discharge in A (at 20°C)

Discharge Time											
End Voltage (V/cell)	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
<b>1,80 V</b>	216,00	186,41	121,83	104,28	56,91	54,87	39,53	29,27	24,72	18,02	12,81
<b>1,83 V</b>	205,55	177,84	116,94	100,30	55,11	53,16	38,42	28,52	24,11	17,61	12,54
<b>1,85 V</b>	196,84	170,58	112,62	96,73	53,43	51,56	37,37	27,80	23,53	17,23	12,29
<b>1,90 V</b>	169,03	147,19	98,41	84,88	47,63	46,00	33,59	25,15	21,36	15,72	11,26
<b>1,92 V</b>	155,28	135,59	91,31	78,96	44,70	43,19	31,66	23,77	20,22	14,91	10,71
<b>2,00 V</b>	87,52	77,93	55,41	48,83	29,37	28,46	21,37	16,29	13,90	10,24	7,23

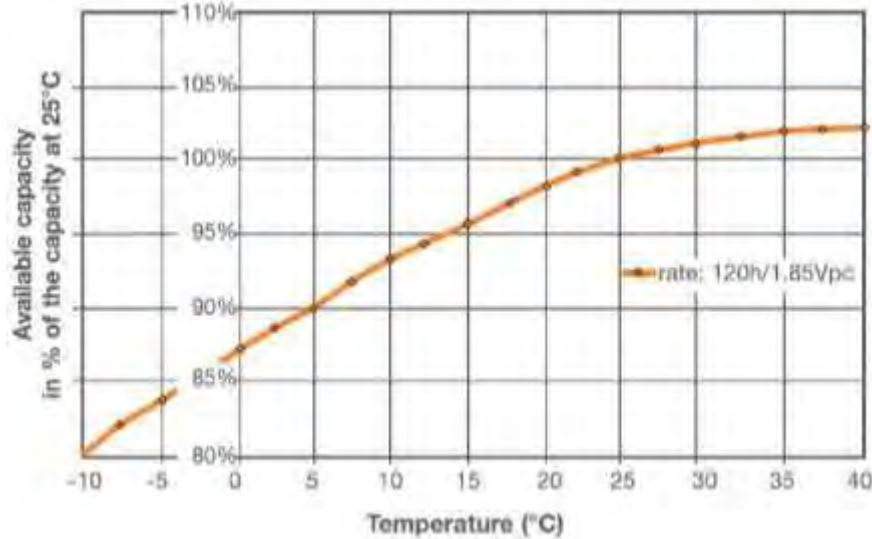
### Constant Power Discharge in W/cell (at 20°C)

Discharge Time											
End Voltage (V/cell)	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
<b>1,80 V</b>	407,72	353,41	233,56	200,67	111,01	107,13	77,73	57,92	49,08	36,00	25,76
<b>1,83 V</b>	389,70	338,53	224,97	193,63	107,81	104,09	75,75	56,58	47,99	35,27	25,27
<b>1,85 V</b>	374,58	325,85	217,31	187,29	104,81	101,22	73,86	55,28	46,95	34,57	24,80
<b>1,90 V</b>	325,34	284,22	191,70	165,86	94,20	91,05	66,92	50,39	42,93	31,76	22,90
<b>1,92 V</b>	300,49	263,14	178,68	154,96	88,75	85,82	63,31	47,80	40,78	30,23	21,84
<b>2,00 V</b>	173,36	154,64	110,66	97,66	59,30	57,62	43,40	33,45	28,45	21,08	15,06

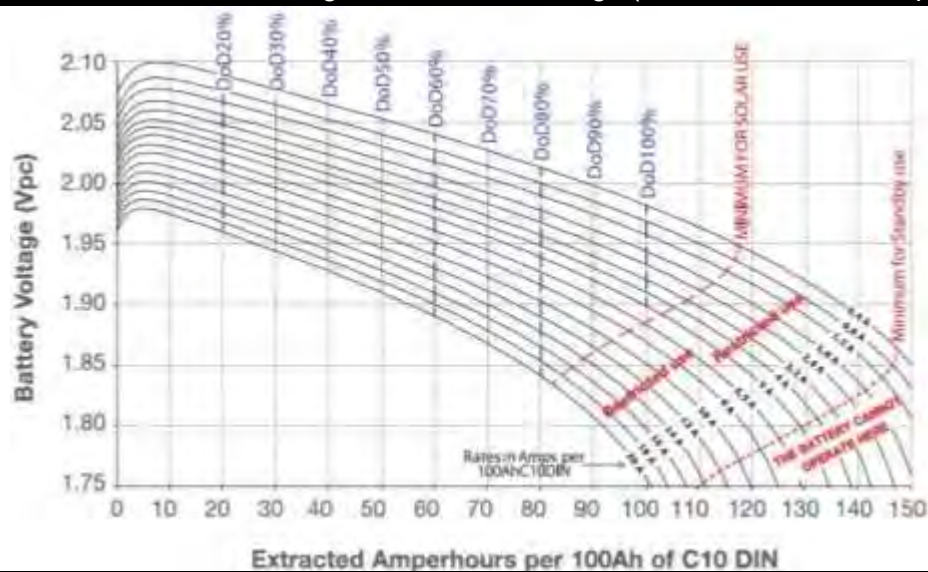
### Expected Number of Cycles vs. DoD



### Capacity vs. Temperature



### Guidance for the initial Low-voltage Disconnect Settings (25°C Reference Temperature)



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