

OPzV 750 Datasheet

Technical Characteristics

Capacity (Ah), C120 (1,85 V/cell, 20°C)	753	
Capacity (Ah), C10 (1,80 V/cell, 20°C)	567	
Number of plates (+) per cell	7	
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)	4520	
Internal resistance (mOhm/cell)	0,450	
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	166 x 206 x 471 / 498	
Weight (kg)	42	
Type and number of poles	M10 / 2	

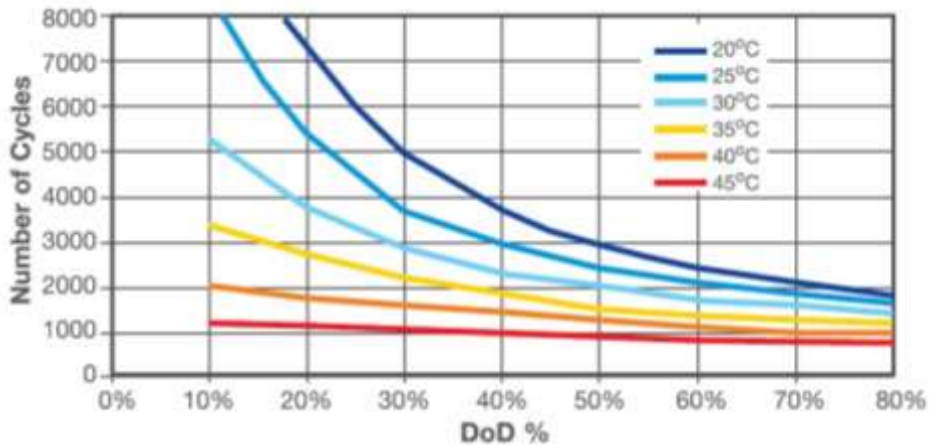
Constant Current Discharge in A (at 20°C)

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
1,80 V	56,70	48,99	32,16	27,58	15,14	14,60	10,54	7,82	6,61	4,83	3,44
1,83 V	54,06	46,81	30,88	26,52	14,64	14,13	10,23	7,60	6,43	4,71	3,36
1,85 V	51,82	44,93	29,74	25,57	14,18	13,69	9,94	7,40	6,27	4,60	3,29
1,90 V	44,62	38,85	25,99	22,42	12,60	12,17	8,90	6,67	5,67	4,18	3,00
1,92 V	41,02	35,80	24,10	20,84	11,81	11,41	8,37	6,29	5,35	3,95	2,85
2,00 V	22,92	20,37	14,42	12,69	7,61	7,38	5,53	4,25	3,61	2,68	1,93

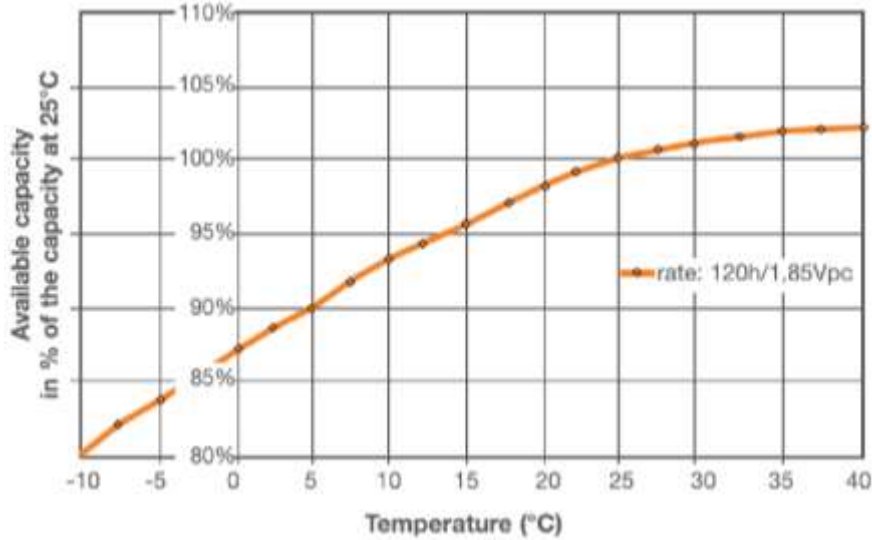
Constant Power Discharge in W/cell (at 20°C)

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
1,80 V	107,19	92,98	61,67	53,06	29,50	28,48	20,70	15,44	13,09	9,62	6,90
1,83 V	102,61	89,18	59,42	51,19	28,62	27,64	20,14	15,06	12,79	9,41	6,76
1,85 V	98,71	85,89	57,40	49,51	27,80	26,85	19,61	14,69	12,49	9,21	6,63
1,90 V	85,90	75,02	50,62	43,81	24,91	24,08	17,70	13,34	11,37	8,43	6,09
1,92 V	79,37	69,47	47,14	40,88	23,42	22,65	16,71	12,62	10,78	8,01	5,80
2,00 V	45,36	40,39	28,78	25,39	15,37	14,90	11,24	8,65	7,41	5,53	4,03

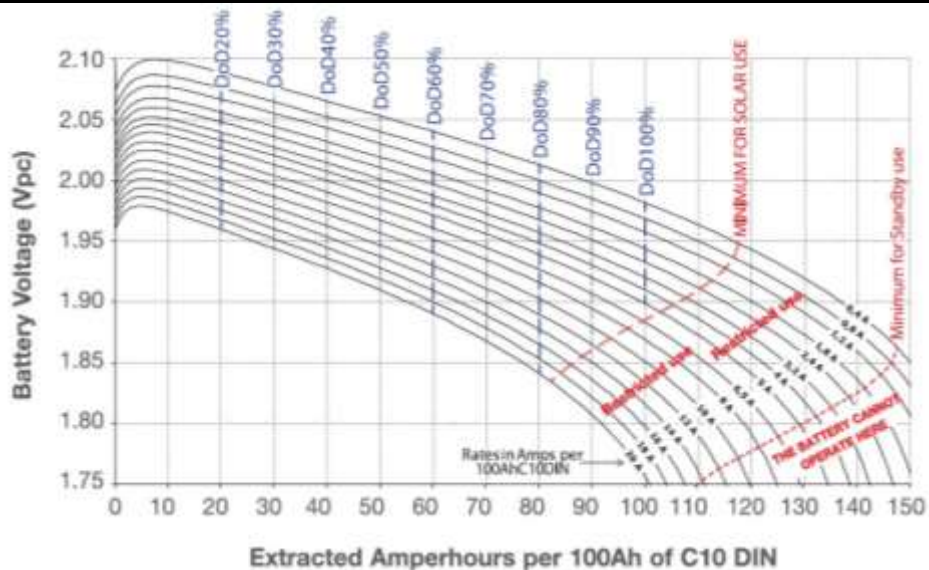
Expected Number of Cycles vs. DoD



Capacity vs. Temperature



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



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