

PowerSafe® OPzV

Discharge data
Batteries for renewable energy
Applications - Technology gel electrolyte

Tableaux de performances pour
Batteries énergies Renouvelables
Technologie électrolyte gélifié

Elektrische Leistung
Batterien für erneuerbare Energien
Sources - Vented Technologie

Tablas tecnicas - Baterias para
las energias renovables
Technologia gel electrolito



Performance Data

Tableaux des Performances
Entladedaten
Datos de descarga

CONSTANT CURRENT PERFORMANCE DATA

End voltage/cell 1.85 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	5.42	2.93	2.47	2.00	1.52	1.28	4 OPzV 200
5 OPzV 250	6.78	3.66	3.09	2.51	1.90	1.60	5 OPzV 250
6 OPzV 300	8.14	4.39	3.71	3.01	2.29	1.92	6 OPzV 300
5 OPzV 350	9.99	5.31	4.48	3.63	2.76	2.32	5 OPzV 350
6 OPzV 420	11.9	6.37	5.37	4.35	3.31	2.78	6 OPzV 420
7 OPzV 490	13.9	7.43	6.27	5.08	3.86	3.24	7 OPzV 490
6 OPzV 600	17.9	9.60	8.07	6.52	4.93	4.13	6 OPzV 600
8 OPzV 800	23.9	12.8	10.7	8.69	6.57	5.51	8 OPzV 800
10 OPzV 1000	29.9	16.0	13.4	10.8	8.22	6.88	10 OPzV 1000
12 OPzV 1200	35.9	19.2	16.1	13.0	9.86	8.26	12 OPzV 1200
12 OPzV 1500	43.7	22.1	18.3	14.7	10.9	9.11	12 OPzV 1500
16 OPzV 2000	58.3	29.5	24.5	19.6	14.6	12.1	16 OPzV 2000
20 OPzV 2500	72.9	36.8	30.6	24.5	18.3	15.1	20 OPzV 2500
24 OPzV 3000	87.5	44.2	36.7	29.4	21.9	18.2	24 OPzV 3000

End voltage/cell 1.90 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	4.81	2.62	2.22	1.80	1.38	1.16	4 OPzV 200
5 OPzV 250	6.02	3.27	2.77	2.25	1.72	1.45	5 OPzV 250
6 OPzV 300	7.22	3.93	3.33	2.71	2.07	1.74	6 OPzV 300
5 OPzV 350	8.95	4.80	4.06	3.30	2.52	2.12	5 OPzV 350
6 OPzV 420	10.7	5.77	4.88	3.97	3.03	2.55	6 OPzV 420
7 OPzV 490	12.5	6.73	5.69	4.63	3.53	2.97	7 OPzV 490
6 OPzV 600	16.0	8.78	7.41	5.99	4.54	3.81	6 OPzV 600
8 OPzV 800	21.4	11.7	9.89	7.99	6.06	5.08	8 OPzV 800
10 OPzV 1000	26.7	14.6	12.3	9.99	7.58	6.35	10 OPzV 1000
12 OPzV 1200	32.1	17.5	14.8	11.9	9.09	7.62	12 OPzV 1200
12 OPzV 1500	38.6	19.8	16.5	13.2	9.93	8.28	12 OPzV 1500
16 OPzV 2000	51.5	26.4	22.0	17.6	13.2	11.0	16 OPzV 2000
20 OPzV 2500	64.4	33.0	27.6	22.1	16.5	13.8	20 OPzV 2500
24 OPzV 3000	77.3	39.7	33.1	26.5	19.8	16.5	24 OPzV 3000

End voltage/cell 1.92 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	4.48	2.44	2.07	1.68	1.28	1.08	4 OPzV 200
5 OPzV 250	5.60	3.05	2.58	2.10	1.61	1.35	5 OPzV 250
6 OPzV 300	6.72	3.66	3.10	2.53	1.93	1.62	6 OPzV 300
5 OPzV 350	8.37	4.51	3.82	3.11	2.37	2.00	5 OPzV 350
6 OPzV 420	10.0	5.41	4.58	3.73	2.85	2.40	6 OPzV 420
7 OPzV 490	11.7	6.31	5.35	4.36	3.32	2.80	7 OPzV 490
6 OPzV 600	15.0	8.27	6.97	5.63	4.27	3.58	6 OPzV 600
8 OPzV 800	20.0	11.0	9.30	7.51	5.69	4.77	8 OPzV 800
10 OPzV 1000	25.0	13.7	11.6	9.39	7.12	5.96	10 OPzV 1000
12 OPzV 1200	30.1	16.5	13.9	11.2	8.54	7.16	12 OPzV 1200
12 OPzV 1500	35.9	18.4	15.4	12.3	9.30	7.75	12 OPzV 1500
16 OPzV 2000	47.9	24.6	20.6	16.5	12.4	10.3	16 OPzV 2000
20 OPzV 2500	59.9	30.7	25.7	20.6	15.5	12.9	20 OPzV 2500
24 OPzV 3000	71.9	36.9	30.9	24.7	18.6	15.5	24 OPzV 3000

End voltage/cell 1.95 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	3.88	2.11	1.79	1.46	1.11	0.93	4 OPzV 200
5 OPzV 250	4.85	2.64	2.24	1.82	1.39	1.17	5 OPzV 250
6 OPzV 300	5.82	3.17	2.69	2.19	1.67	1.40	6 OPzV 300
5 OPzV 350	7.32	3.96	3.35	2.73	2.08	1.75	5 OPzV 350
6 OPzV 420	8.79	4.75	4.03	3.28	2.50	2.11	6 OPzV 420
7 OPzV 490	10.2	5.55	4.70	3.82	2.92	2.46	7 OPzV 490
6 OPzV 600	13.3	7.28	6.13	4.96	3.75	3.14	6 OPzV 600
8 OPzV 800	17.7	9.71	8.18	6.61	5.01	4.19	8 OPzV 800
10 OPzV 1000	22.1	12.1	10.2	8.26	6.26	5.24	10 OPzV 1000
12 OpzV 1200	26.6	14.5	12.2	9.92	7.51	6.29	12 OpzV 1200
12 OPzV 1500	31.4	16.2	13.5	10.8	8.15	6.79	12 OPzV 1500
16 OPzV 2000	41.9	21.6	18.0	14.4	10.8	9.06	16 OPzV 2000
20 OPzV 2500	52.3	27.0	22.5	18.1	13.5	11.3	20 OPzV 2500
24 OPzV 3000	62.8	32.4	27.1	21.7	16.3	13.5	24 OPzV 3000

End voltage/cell 2.00 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	2.61	1.42	1.21	0.98	0.75	0.63	4 OPzV 200
5 OPzV 250	3.27	1.78	1.51	1.23	0.93	0.79	5 OPzV 250
6 OPzV 300	3.92	2.14	1.81	1.47	1.12	0.94	6 OPzV 300
5 OPzV 350	5.22	2.85	2.41	1.96	1.49	1.25	5 OPzV 350
6 OPzV 420	6.26	3.42	2.89	2.35	1.79	1.51	6 OPzV 420
7 OPzV 490	7.31	3.99	3.37	2.74	2.09	1.76	7 OPzV 490
6 OPzV 600	9.77	5.25	4.41	3.56	2.69	2.25	6 OPzV 600
8 OPzV 800	13.0	7.00	5.88	4.74	3.59	3.00	8 OPzV 800
10 OPzV 1000	16.2	8.75	7.35	5.93	4.48	3.76	10 OPzV 1000
12 OpzV 1200	19.5	10.5	8.82	7.12	5.38	4.51	12 OpzV 1200
12 OPzV 1500	22.8	11.7	9.77	7.80	5.84	4.86	12 OPzV 1500
16 OPzV 2000	30.4	15.6	13.0	10.4	7.79	6.48	16 OPzV 2000
20 OPzV 2500	38.0	19.5	16.2	13.0	9.73	8.10	20 OPzV 2500
24 OPzV 3000	45.6	23.4	19.5	15.6	11.6	9.73	24 OPzV 3000

CONSTANT POWER PERFORMANCE DATA

End voltage/cell 1.85 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

Constant discharge power / Puissances constante décharge / Entladeleistung / Potencia de descarga (W/cell)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	10.6	5.78	4.88	4.01	3.11	2.64	4 OPzV 200
5 OPzV 250	13.3	7.23	6.10	5.01	3.89	3.30	5 OPzV 250
6 OPzV 300	15.9	8.67	7.32	6.01	4.67	3.96	6 OPzV 300
5 OPzV 350	19.6	10.5	8.88	7.21	5.49	4.61	5 OPzV 350
6 OPzV 420	23.6	12.6	10.6	8.65	6.59	5.54	6 OPzV 420
7 OPzV 490	27.5	14.7	12.4	10.0	7.69	6.46	7 OPzV 490
6 OPzV 600	35.3	19.0	16.0	12.9	9.70	8.09	6 OPzV 600
8 OPzV 800	47.0	25.4	21.4	17.2	12.9	10.7	8 OPzV 800
10 OPzV 1000	58.8	31.7	26.7	21.5	16.1	13.4	10 OPzV 1000
12 OPzV 1200	70.6	38.1	32.1	25.8	19.4	16.1	12 OPzV 1200
12 OPzV 1500	85.8	43.9	36.6	30.0	23.2	19.6	12 OPzV 1500
16 OPzV 2000	114.4	58.5	48.9	40.0	30.9	26.2	16 OPzV 2000
20 OPzV 2500	143.0	73.1	61.1	50.0	38.7	32.7	20 OPzV 2500
24 OPzV 3000	171.6	87.8	73.3	60.0	46.4	39.3	24 OPzV 3000

End voltage/cell 1.90 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

Constant discharge power / Puissances constante décharge / Entladeleistung / Potencia de descarga (W/cell)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	9.52	5.20	4.43	3.66	2.85	2.42	4 OPzV 200
5 OPzV 250	11.9	6.50	5.53	4.58	3.56	3.02	5 OPzV 250
6 OPzV 300	14.2	7.81	6.64	5.50	4.27	3.63	6 OPzV 300
5 OPzV 350	17.7	9.60	8.11	6.61	5.05	4.25	5 OPzV 350
6 OPzV 420	21.3	11.5	9.74	7.93	6.06	5.11	6 OPzV 420
7 OPzV 490	24.8	13.4	11.3	9.26	7.07	5.96	7 OPzV 490
6 OPzV 600	31.8	17.5	14.8	11.9	8.96	7.49	6 OPzV 600
8 OPzV 800	42.4	23.3	19.7	15.8	11.9	9.99	8 OPzV 800
10 OPzV 1000	53.0	29.1	24.7	19.8	14.9	12.4	10 OPzV 1000
12 OPzV 1200	63.6	35.0	29.6	23.8	17.9	14.9	12 OPzV 1200
12 OPzV 1500	76.7	39.7	33.5	27.6	21.3	18.0	12 OPzV 1500
16 OPzV 2000	102.3	52.9	44.7	36.8	28.4	24.1	16 OPzV 2000
20 OPzV 2500	127.9	66.2	55.9	46.1	35.6	30.1	20 OPzV 2500
24 OPzV 3000	153.5	79.4	67.1	55.3	42.7	36.1	24 OPzV 3000

End voltage/cell 1.92 V (25°C)

Tension d'arrêt par élément
Entladeschlußspannung/Zelle
Tensión final por elemento

Constant discharge power / Puissances constante décharge / Entladeleistung / Potencia de descarga (W/cell)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	8.91	4.87	4.17	3.45	2.68	2.27	4 OPzV 200
5 OPzV 250	11.1	6.09	5.21	4.31	3.35	2.84	5 OPzV 250
6 OPzV 300	13.3	7.30	6.26	5.17	4.02	3.41	6 OPzV 300
5 OPzV 350	16.7	9.03	7.65	6.24	4.77	4.02	5 OPzV 350
6 OPzV 420	20.0	10.8	9.18	7.48	5.72	4.82	6 OPzV 420
7 OPzV 490	23.3	12.6	10.7	8.73	6.68	5.62	7 OPzV 490
6 OPzV 600	29.9	16.5	13.9	11.2	8.44	7.05	6 OPzV 600
8 OPzV 800	39.8	22.0	18.6	14.9	11.2	9.40	8 OPzV 800
10 OPzV 1000	49.8	27.6	23.2	18.6	14.0	11.7	10 OPzV 1000
12 OPzV 1200	59.8	33.1	27.9	22.4	16.8	14.1	12 OPzV 1200
12 OPzV 1500	71.5	37.1	31.7	26.1	20.1	17.0	12 OPzV 1500
16 OPzV 2000	95.4	49.5	42.3	34.8	26.8	22.7	16 OPzV 2000
20 OPzV 2500	119.2	61.9	52.8	43.5	33.6	28.4	20 OPzV 2500
24 OPzV 3000	143.1	74.3	63.4	52.2	40.3	34.1	24 OPzV 3000

End voltage/cell 1.95 V (25°C)

Tension d'arrêt par élément

Entladeschlußspannung/Zelle

Tensión final por elemento

Constant discharge power / Puissances constante décharge / Entladeleistung / Potencia de descarga (W/cell)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	7.77	4.28	3.68	3.03	2.35	1.99	4 OPzV 200
5 OPzV 250	9.72	5.36	4.60	3.79	2.93	2.49	5 OPzV 250
6 OPzV 300	11.6	6.43	5.52	4.55	3.52	2.98	6 OPzV 300
5 OPzV 350	14.7	7.98	6.77	5.52	4.21	3.55	5 OPzV 350
6 OPzV 420	17.6	9.58	8.13	6.62	5.06	4.26	6 OPzV 420
7 OPzV 490	20.6	11.1	9.48	7.72	5.90	4.97	7 OPzV 490
6 OPzV 600	26.6	14.6	12.2	9.88	7.45	6.22	6 OPzV 600
8 OPzV 800	35.5	19.5	16.3	13.1	9.93	8.30	8 OPzV 800
10 OPzV 1000	44.4	24.4	20.4	16.4	12.4	10.3	10 OPzV 1000
12 OpzV 1200	53.2	29.3	24.5	19.7	14.9	12.4	12 OpzV 1200
12 OPzV 1500	62.6	33.3	28.4	23.3	18.0	15.2	12 OPzV 1500
16 OPzV 2000	83.5	44.4	37.9	31.1	24.0	20.3	16 OPzV 2000
20 OPzV 2500	104.4	55.5	47.4	38.9	30.0	25.3	20 OPzV 2500
24 OPzV 3000	125.3	66.6	56.9	46.7	36.0	30.4	24 OPzV 3000

End voltage/cell 2.00 V (25°C)

Tension d'arrêt par élément

Entladeschlußspannung/Zelle

Tensión final por elemento

Constant discharge power / Puissances constante décharge / Entladeleistung / Potencia de descarga (W/cell)							
Type	50h	100h	120h	150h	200h	240h	Type
4 OPzV 200	5.30	3.00	2.56	2.10	1.62	1.37	4 OPzV 200
5 OPzV 250	6.63	3.75	3.20	2.63	2.02	1.71	5 OPzV 250
6 OPzV 300	7.96	4.50	3.85	3.16	2.43	2.05	6 OPzV 300
5 OPzV 350	10.6	5.81	4.92	4.00	3.05	2.57	5 OPzV 350
6 OPzV 420	12.7	6.98	5.91	4.81	3.66	3.08	6 OPzV 420
7 OPzV 490	14.8	8.14	6.89	5.61	4.28	3.60	7 OPzV 490
6 OPzV 600	19.8	10.5	8.86	7.12	5.36	4.48	6 OPzV 600
8 OPzV 800	26.4	14.1	11.8	9.49	7.15	5.98	8 OPzV 800
10 OPzV 1000	33.0	17.6	14.7	11.8	8.94	7.47	10 OPzV 1000
12 OpzV 1200	39.7	21.1	17.7	14.2	10.7	8.97	12 OpzV 1200
12 OPzV 1500	46.3	25.3	21.4	17.5	13.3	11.2	12 OPzV 1500
16 OPzV 2000	61.8	33.8	28.6	23.3	17.8	15.0	16 OPzV 2000
20 OPzV 2500	77.3	42.2	35.8	29.1	22.2	18.7	20 OPzV 2500
24 OPzV 3000	92.7	50.7	42.9	35.0	26.7	22.4	24 OPzV 3000



PowerSafe[®]
OPzV

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