

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 técnicas - Baterias para
las energías renovables
Tecnología gel electrolito



Performance Data
Tableaux des Performances
Entladedaten
Datos de descarga

End voltage/cell

1.85 V

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

Temperature: 25 °C

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)										
Type	50h	70h	100h	120h	150h	200h	240h	300h	400h	Type
4 OPzV 200	5.02	3.68	2.68	2.27	1.84	1.41	1.18	0.96	0.73	4 OPzV 200
5 OPzV 250	6.29	4.62	3.36	2.85	2.31	1.76	1.48	1.20	0.91	5 OPzV 250
6 OPzV 300	7.60	5.58	4.06	3.44	2.79	2.13	1.79	1.45	1.10	6 OPzV 300
5 OPzV 350	8.91	6.54	4.76	4.03	3.27	2.50	2.10	1.70	1.29	5 OPzV 350
6 OPzV 420	10.57	7.76	5.65	4.78	3.88	2.96	2.49	2.02	1.53	6 OPzV 420
7 OPzV 490	12.47	9.16	6.66	5.64	4.58	3.49	2.94	2.38	1.81	7 OPzV 490
6 OPzV 600	16.47	12.10	8.80	7.45	6.05	4.61	3.88	3.14	2.39	6 OPzV 600
8 OPzV 800	21.86	16.05	11.68	9.89	8.03	6.12	5.15	4.17	3.17	8 OPzV 800
10 OPzV 1000	27.47	20.17	14.68	12.43	10.09	7.69	6.47	5.24	3.98	10 OPzV 1000
12 OPzV 1200	33.06	24.28	17.66	14.96	12.14	9.26	7.79	6.31	4.79	12 OPzV 1200
12 OPzV 1500	36.21	26.60	19.35	16.38	13.30	10.14	8.54	6.91	5.25	12 OPzV 1500
16 OPzV 2000	48.42	35.56	25.87	21.90	17.79	13.56	11.41	9.24	7.02	16 OPzV 2000
20 OPzV 2500	60.27	44.26	32.20	27.26	22.14	16.88	14.20	11.50	8.74	20 OPzV 2500
24 OPzV 3000	72.43	53.19	38.70	32.77	26.61	20.29	17.07	13.82	10.50	24 OPzV 3000

End voltage/cell

1.90 V

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

Temperature: 25 °C

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)										
Type	50h	70h	100h	120h	150h	200h	240h	300h	400h	Type
4 OPzV 200	4.50	3.29	2.37	2.01	1.64	1.26	1.06	0.86	0.65	4 OPzV 200
5 OPzV 250	5.64	4.12	2.97	2.52	2.05	1.58	1.33	1.07	0.81	5 OPzV 250
6 OPzV 300	6.82	4.98	3.59	3.04	2.48	1.90	1.60	1.30	0.98	6 OPzV 300
5 OPzV 350	7.99	5.84	4.21	3.56	2.91	2.23	1.88	1.52	1.15	5 OPzV 350
6 OPzV 420	9.48	6.93	4.99	4.23	3.45	2.65	2.23	1.80	1.37	6 OPzV 420
7 OPzV 490	11.18	8.18	5.89	4.99	4.07	3.12	2.63	2.13	1.61	7 OPzV 490
6 OPzV 600	14.77	10.80	7.78	6.59	5.38	4.13	3.48	2.81	2.13	6 OPzV 600
8 OPzV 800	19.60	14.33	10.33	8.74	7.14	5.47	4.61	3.73	2.83	8 OPzV 800
10 OPzV 1000	24.63	18.02	12.98	10.99	8.97	6.88	5.80	4.68	3.55	10 OPzV 1000
12 OPzV 1200	29.65	21.68	15.62	13.22	10.80	8.28	6.98	5.64	4.28	12 OPzV 1200
12 OPzV 1500	32.48	23.75	17.11	14.48	11.83	9.07	7.64	6.17	4.68	12 OPzV 1500
16 OPzV 2000	43.42	31.75	22.87	19.36	15.82	12.13	10.22	8.26	6.26	16 OPzV 2000
20 OPzV 2500	54.05	39.53	28.47	24.10	19.69	15.10	12.72	10.28	7.79	20 OPzV 2500
24 OPzV 3000	64.96	47.50	34.22	28.97	23.66	18.14	15.29	12.35	9.37	24 OPzV 3000

End voltage/cell

1.92 V

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

Temperature: 25 °C

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)										
Type	50h	70h	100h	120h	150h	200h	240h	300h	400h	Type
4 OPzV 200	4.13	3.07	2.24	1.90	1.54	1.17	0.98	0.80	0.61	4 OPzV 200
5 OPzV 250	5.18	3.85	2.81	2.38	1.93	1.47	1.23	1.00	0.77	5 OPzV 250
6 OPzV 300	6.25	4.65	3.40	2.88	2.33	1.77	1.49	1.21	0.93	6 OPzV 300
5 OPzV 350	7.33	5.45	3.98	3.37	2.73	2.08	1.75	1.42	1.09	5 OPzV 350
6 OPzV 420	8.70	6.47	4.73	4.00	3.24	2.47	2.08	1.68	1.29	6 OPzV 420
7 OPzV 490	10.26	7.63	5.58	4.72	3.83	2.91	2.45	1.99	1.52	7 OPzV 490
6 OPzV 600	13.56	10.09	7.37	6.24	5.06	3.84	3.23	2.62	2.01	6 OPzV 600
8 OPzV 800	17.99	13.38	9.78	8.28	6.71	5.10	4.29	3.48	2.67	8 OPzV 800
10 OPzV 1000	22.61	16.82	12.29	10.40	8.43	6.41	5.39	4.37	3.36	10 OPzV 1000
12 OPzV 1200	27.21	20.24	14.79	12.52	10.15	7.71	6.49	5.26	4.04	12 OPzV 1200
12 OPzV 1500	29.80	22.17	16.20	13.71	11.12	8.45	7.11	5.77	4.42	12 OPzV 1500
16 OPzV 2000	39.85	29.64	21.66	18.33	14.86	11.29	9.51	7.71	5.91	16 OPzV 2000
20 OPzV 2500	49.60	36.90	26.96	22.82	18.50	14.06	11.83	9.60	7.36	20 OPzV 2500
24 OPzV 3000	59.61	44.35	32.40	27.43	22.24	16.89	14.22	11.53	8.85	24 OPzV 3000

End voltage/cell

1.95 V

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

Temperature: 25 °C

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)										
Type	50h	70h	100h	120h	150h	200h	240h	300h	400h	Type
4 OPzV 200	3.70	2.68	1.92	1.62	1.32	1.02	0.87	0.71	0.55	4 OPzV 200
5 OPzV 250	4.64	3.36	2.40	2.03	1.65	1.28	1.09	0.89	0.69	5 OPzV 250
6 OPzV 300	5.60	4.06	2.90	2.45	2.00	1.54	1.31	1.08	0.84	6 OPzV 300
5 OPzV 350	6.57	4.76	3.40	2.87	2.34	1.81	1.54	1.27	0.98	5 OPzV 350
6 OPzV 420	7.79	5.65	4.04	3.40	2.78	2.15	1.83	1.50	1.16	6 OPzV 420
7 OPzV 490	9.19	6.67	4.76	4.02	3.28	2.53	2.15	1.77	1.37	7 OPzV 490
6 OPzV 600	12.14	8.80	6.29	5.31	4.33	3.35	2.84	2.34	1.81	6 OPzV 600
8 OPzV 800	16.11	11.68	8.35	7.04	5.75	4.44	3.77	3.10	2.40	8 OPzV 800
10 OPzV 1000	20.25	14.68	10.49	8.85	7.22	5.58	4.74	3.90	3.02	10 OPzV 1000
12 OPzV 1200	24.37	17.67	12.63	10.65	8.70	6.72	5.71	4.70	3.63	12 OPzV 1200
12 OPzV 1500	26.70	19.36	13.83	11.66	9.52	7.36	6.25	5.14	3.98	12 OPzV 1500
16 OPzV 2000	35.69	25.88	18.49	15.60	12.73	9.84	8.36	6.88	5.32	16 OPzV 2000
20 OPzV 2500	44.43	32.21	23.02	19.41	15.85	12.25	10.41	8.56	6.63	20 OPzV 2500
24 OPzV 3000	53.40	38.72	27.66	23.33	19.05	14.72	12.51	10.29	7.96	24 OPzV 3000

End voltage/cell

2.00 V

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

Temperature: 25 °C

discharge currents / courants de décharge / Entladestrom / Corriente de descarga (Amp)										
Type	50h	70h	100h	120h	150h	200h	240h	300h	400h	Type
4 OPzV 200	2.49	1.86	1.35	1.15	0.94	0.72	0.61	0.50	0.38	4 OPzV 200
5 OPzV 250	3.12	2.33	1.69	1.44	1.17	0.90	0.77	0.62	0.48	5 OPzV 250
6 OPzV 300	3.78	2.82	2.05	1.74	1.42	1.09	0.92	0.75	0.58	6 OPzV 300
5 OPzV 350	4.43	3.30	2.40	2.04	1.66	1.28	1.08	0.88	0.68	5 OPzV 350
6 OPzV 420	5.25	3.92	2.85	2.41	1.97	1.52	1.29	1.05	0.81	6 OPzV 420
7 OPzV 490	6.20	4.62	3.36	2.85	2.33	1.79	1.52	1.24	0.95	7 OPzV 490
6 OPzV 600	8.18	6.11	4.44	3.76	3.07	2.36	2.00	1.64	1.26	6 OPzV 600
8 OPzV 800	10.86	8.11	5.89	4.99	4.08	3.13	2.66	2.17	1.67	8 OPzV 800
10 OPzV 1000	13.65	10.19	7.40	6.28	5.12	3.94	3.34	2.73	2.10	10 OPzV 1000
12 OPzV 1200	16.43	12.26	8.90	7.55	6.17	4.74	4.02	3.28	2.53	12 OPzV 1200
12 OPzV 1500	17.99	13.43	9.75	8.27	6.76	5.19	4.41	3.60	2.77	12 OPzV 1500
16 OPzV 2000	24.06	17.96	13.04	11.06	9.03	6.94	5.89	4.81	3.70	16 OPzV 2000
20 OPzV 2500	29.94	22.35	16.23	13.77	11.24	8.64	7.33	5.98	4.60	20 OPzV 2500
24 OPzV 3000	35.99	26.86	19.51	16.55	13.51	10.38	8.81	7.19	5.53	24 OPzV 3000

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easy to do business with, while supplying
the highest quality products and services
on time and in the most cost-effective manner.”**



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Publication No. EN-PS-OPzV PD-001 - November 2011 - Subject to revisions without prior notice. E. & O.E.



Global & Americas Headquarters

EnerSys
P.O. Box 14145
Reading
Pennsylvania 19612-4145
USA
Tel. +1-610-208-1991
Fax +1 610-372-8457

Regional Headquarters

EnerSys Europe (EMEA)
Löwenstrasse 32
8001 Zürich
Switzerland
www.enersys-emea.com

EnerSys Asia
152 Beach Road
Gateway East Building
Level 11
189721 Singapore
Tel: +65 6508 1780
Fax +65 6292 4380

Please refer to the website address for details of your nearest EnerSys office: www.enersys-emea.com

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