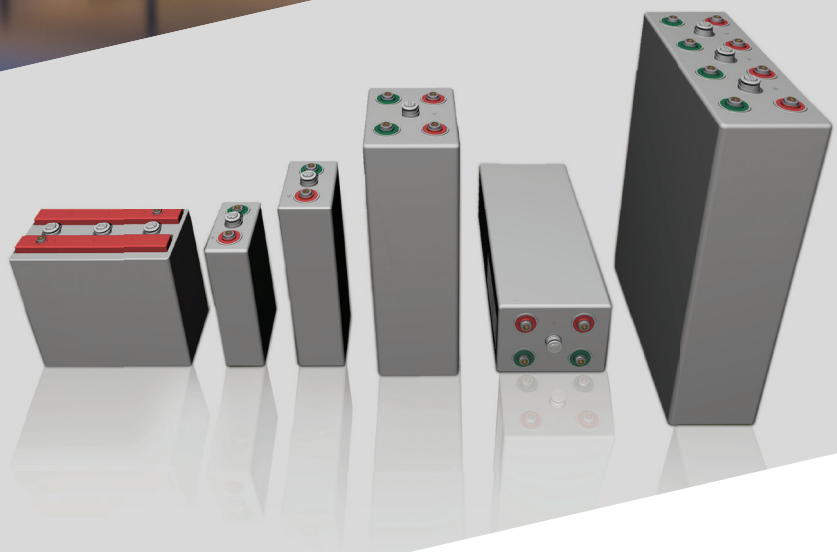
enirgi
power storage

ENIRGI ADVANCE



Advance

Renewable Energy

Your battery specialists

enirgi
power storage

OVERVIEW

Valve Regulated Tubular GEL Batteries for Renewable Energy Applications

Enirgi Advance cells are manufactured to the highest standards of quality and worksmanship. The tubular plate technology in a gel immobilised electrolyte with valve regulated ventilation, eliminates the need for topping up over the life of the battery. Batteries built with these cells are used to store electrical energy in medium to large renewable energy installations. Their robust design, unique Calcium lead alloy materials and patented features make them the perfect match for long life cycling duty under the most onerous of circumstances. These include partial state of charge (PSOC) operation in renewable energy systems with widely varying climatic conditions.

APPLICATIONS

Residential Solar **Mini-Grids** **Telecom Networks**

CERTIFIED QUALITY

- "Long Life" according to Eurobat classification
- Compliant with IEC 61427 requirements for photovoltaic energy systems
- Tested according to IEC 60896-21 and fully compliant with IEC 60896-22 requirements for valve regulated batteries
- Full conformity to DIN 40742 specifications for OPzV cells and DIN 40744 for OPzV blocks
- Compliant with the safety requirements of EN 50272-2 for stationary batteries
- Manufactured in production facilities, certified to ISO 9001, ISO 14001 and BS OHSAS 18001

FEATURES & BENEFITS

LONG CYCLE LIFE

Tubular positive plates, GEL form electrolyte, unique sliding pole design and special alloys composition offer a 60% DoD cycle life of up to 2500 cycles for 2V cells and 2000 cycles for 6V & 12V blocks.

OUTSTANDING PERFORMANCE AND RELIABILITY

Products of optimum design made from high quality raw materials in European state-of-the-art production facilities and cumulative experience on advanced submarine battery manufacturing, ensure reliability in applications demanding high performance.

REDUCED MAINTENANCE COST

Maintenance-free design without water topping-up needs.

SPACE OPTIMISATION

Vertical and horizontal installation. Racks designed for optimal space utilisation, quick installation and easy battery maintenance.

OPERATIONAL SAFETY

Extensive compliance testing performed under European and Global norms and verified by independent 3rd party certification agencies.

COMPLETE BATTERY SOLUTION

Complete and ready to install systems with all the necessary accessories. Extensive range of adding value products and services.

FLEXIBILITY

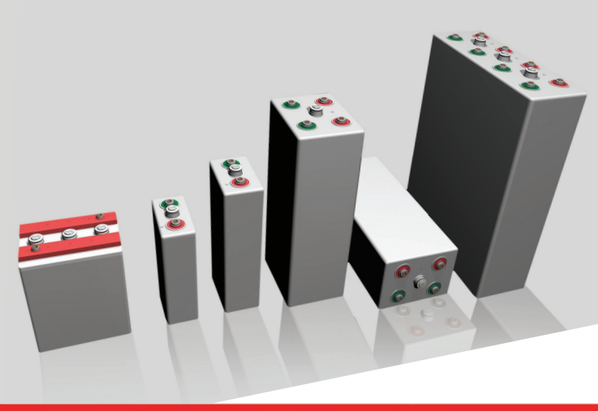
Design and production of customised products and services, high volume orders handling capability, fast delivery.

PEACE-OF-MIND

Experienced pre-sales and after sales support, backed by global organisations.

OPTIMUM TOTAL COST OF OWNERSHIP (TCO)

Low cost per cycle. Lifetime value is maximised especially at hybrid systems where using batteries can greatly reduce the Genset daily run time resulting in fuel savings and less CO_2 emissions.



TECHNICAL FEATURES AND PRODUCT BENEFITS

1 Positive Plates

- Tubular plate design
- Optimised Lead Calcium Tin Alloy reducing hydrogen evolution
- Red Lead in-house production by 99.99% pure lead
- Dry Filling process

√ Long cycle life
√ Excellent cycling properties
√ Quality and homogeneity
√ High capacity performance
√ Reduced corrosion
√ Reduced self-discharge rate
√ Increased tolerance even in cases of poor charging conditions

2 Positive Plates

- Pasted negative plates of grid design
- Paste mixture that ensures high adherence and cohesion
- Optimised corrosion resistant Lead Calcium Tin Alloy
- Robust construction
- Long life expander

√ Stability
√ Increased cyclic performance
√ Long battery life

3 Gauntlet

- Highly porous woven material
- Optimum compression of the active material

√ Eliminates active mass shedding
√ High capacity performance

4 Bottom Bar

- Ultrasonic welding to gauntlet

√ Secured fit to the gauntlet
√ Long battery life

5 Pole Bridge

- Welding with high quality alloy
- Optimised design

√ Increased robustness and durability
√ Consistent and uniform poles-bridge-plate-block connection

6 Electrolyte

- Immobilised in GEL form sulphuric acid with nominal density of 1.26kg/l (@20°c)
- State of the art GEL filling equipment
- Effective diffusion of GEL
- High purity silica for GEL formation

√ Operation without acid stratification or dendrite growth
√ High performance on deep discharges
√ Low self discharge

7 Separators

- Manufactured from microporous silica-based PVC material
- Allow migration of ions during charge/discharge
- More acid in the surrounding area of the plates

√ Secured protection against short circuits
√ High temperature stability
√ Mechanical strength
√ Low internal resistance

8 Container & Lid

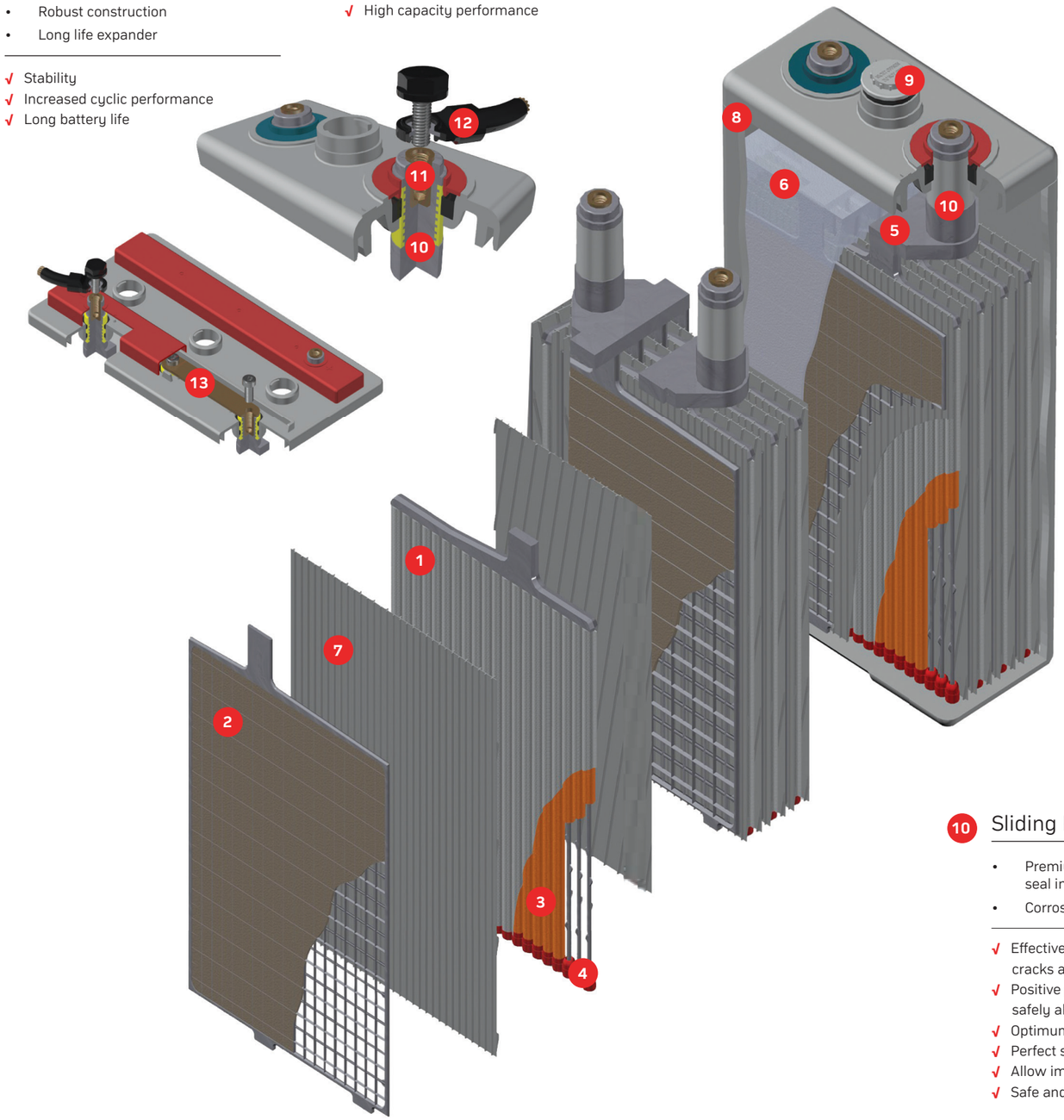
- Heavy Duty ABS (Acrylonitrile Buta-dien Styrene) Material
- Optionally flame retardant (Class VO) ABS material
- Sealing between container - lid with polyurethane Stobicoll resin
- 100% leakage quality control with high precision Froehlich equipment

√ Long term leakage free operation
√ Unsurpassed mechanical strength
√ Robust and durable battery construction

9 Pressure Relief Valve

- Maintenance-free design
- Accurate pressure relief
- Integral flame arrestor

√ No water topping-up required
√ Increased safety



10 Sliding Poles

- Premium sliding design with rubber seal in the lid
- Corrosion resistance

√ Effectively prevents top lid cracks and acid leakages
√ Positive plate's expansion is safely absorbed
√ Optimum current conductivity
√ Perfect sealing
√ Allow impedance measurerments
√ Safe and long operational life

11 Pole Insert

- Brass insert
- Threaded female M10 terminal posts

√ High conductivity
√ Maximum torque retention

12 External Intercell Connectors

- Flexible
- Copper
- Fully insulated
- Fixed with plastic head bolt safety screw and probe hole on the top

√ Allow voltage measurements
√ High conductivity
√ Increased safety

13 Monoblock Intercell Connectors

- Copper bars premium design
- Outside of the container connection

√ High conductivity
√ Safe and long operational life

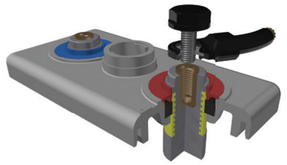
PRODUCT RANGE

PRODUCT RANGE															
Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}	Length	Width	Height*	Poles Dist.	Weight
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}							
			Discharged to an end voltage of 1.80 Vpc						A	mΩ	mm	mm	mm	mm	kg
ARG-4-OPzV-280	4	2	305	301	281	258	232	224	2300	0.88	103	206	382	-	19
ARG-5-OPzV-350	5	2	380	376	352	323	290	280	2860	0.71	124	206	382	-	24
ARG-6-OPzV-420	6	2	457	452	422	388	347	336	3380	0.60	145	206	382	-	26
ARG-5-OPzV-490	5	2	564	556	517	472	420	405	3380	0.60	124	206	498	-	31
ARG-6-OPzV-588	6	2	678	668	622	567	504	486	3980	0.51	145	206	498	-	36
ARG-7-OPzV-686	7	2	793	782	727	662	588	567	4520	0.45	166	206	498	-	42
ARG-6-OPzV-840	6	2	983	968	892	809	716	690	4360	0.47	145	206	673	-	48
ARG-8-OPzV-1120	8	4	1307	1287	1187	1077	954	920	5980	0.34	191	210	673	80	65
ARG-10-OPzV-1400	10	4	1636	1610	1485	1347	1193	1150	7380	0.28	233	210	673	110	82
ARG-12-OPzV-1680	12	4	1969	1938	1786	1618	1432	1380	8640	0.24	275	210	673	140	96
ARG-12-OPzV-2100	12	4	2227	2197	2050	1878	1678	1620	9440	0.22	275	210	824	140	110
ARG-16-OPzV-2800	16	6	2966	2927	2732	2503	2237	2160	12680	0.16	399	214	799	110	159
ARG-20-OPzV-3500	20	8	3704	3655	3412	3127	2796	2700	16240	0.13	487	212	799	110	202
ARG-24-OPzV-4200	24	8	4462	4402	4106	3760	3357	3240	18460	0.11	576	212	799	140	227
ARG-6V-4-OPzV-240	4	2	268	264	251	233	212	206	2260	2.70	272	205	371	-	48
ARG-6V-5-OPzV-350	5	2	335	331	313	292	265	258	2740	2.22	380	205	371	-	63
ARG-6V-6-OPzV-360	6	2	402	398	377	350	318	309	3220	1.89	380	205	371	-	70
ARG-12V-1-OPzV-60	1	2	66	65	62	58	52	51	620	19.80	272	205	371	-	43
ARG-12V-2-OPzV-120	2	2	132	131	124	115	105	102	1240	9.90	272	205	371	-	52
ARG-12V-3-OPzV-180	3	2	199	197	186	173	158	153	1720	7.08	380	205	371	-	74

* Includes installed connectors and shrouds

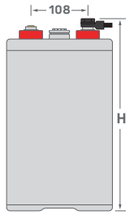
TECHNICAL DETAILS

Leads

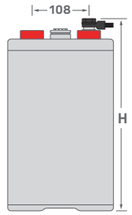


M10 Bolt and Terminals

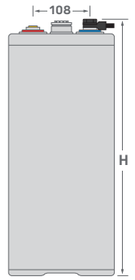
ARG 6V OPzV



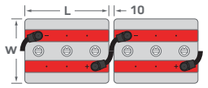
ARG 12V OPzV



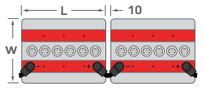
ARG 2V OPzV



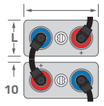
ARG-6V-4-OPzV-240
ARG-6V-5-OPzV-350
ARG-6V-6-OPzV-360



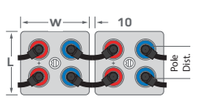
ARG-12V-1-OPzV-60
ARG-12V-2-OPzV-120
ARG-12V-3-OPzV-180



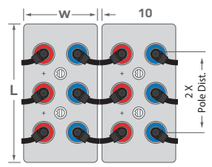
ARG-4-OPzV-280
ARG-5-OPzV-350
ARG-5-OPzV-490
ARG-6-OPzV-420
ARG-6-OPzV-588
ARG-6-OPzV-840



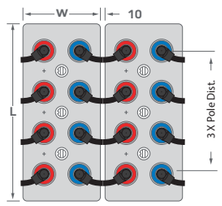
ARG-8-OPzV-1120
ARG-10-OPzV-1400
ARG-12-OPzV-1680
ARG-12-OPzV-2100



ARG-16-OPzV-2800



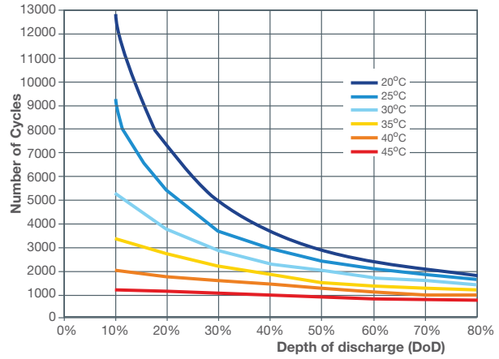
ARG-20-OPzV-3500
ARG-24-OPzV-4200



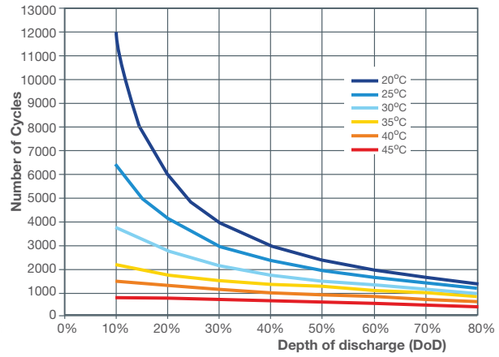
PERFORMANCE CURVES

EXPECTED NUMBER OF CYCLES vs. DoD

ARG OPzV 2V Cells

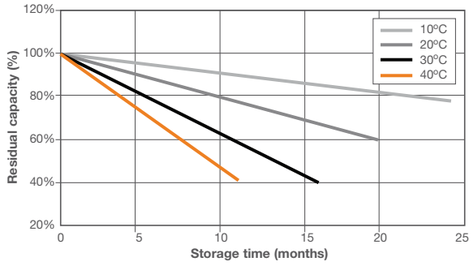


ARG OPzV 6V & 12V Blocks



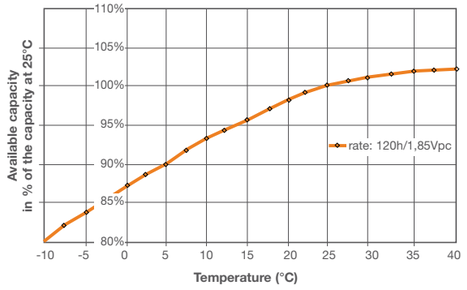
SELF-DISCHARGE CHARACTERISTICS

ARG OPzV Cells & Blocks



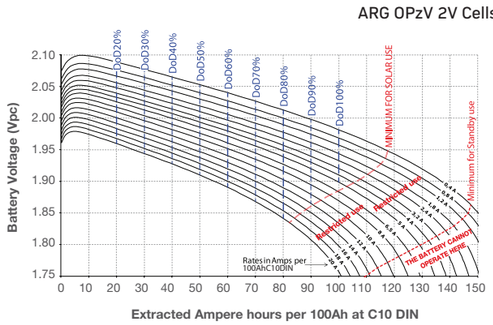
CAPACITY vs. TEMPERATURE

ARG OPzV Cells & Blocks

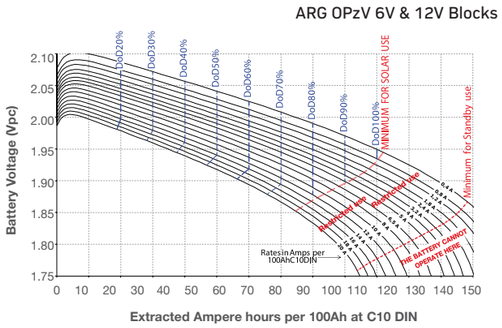


GUIDANCE FOR THE INITIAL LOW-VOLTAGE DISCONNECT SETTINGS (20°C REFERENCE TEMPERATURE)

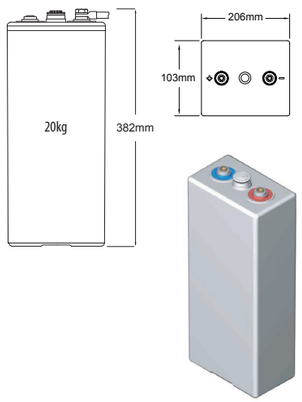
ARG OPzV 2V Cells



ARG OPzV 6V & 12V Blocks



ARG-4-OPzV-280



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-4-OPzV-280	4	2	305	301	281	258	232	224	2300	0.88

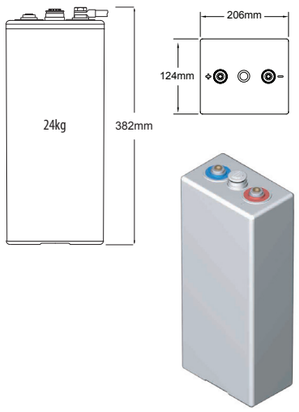
Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	22.4	19.3	12.6	10.8	5.9	5.7	4.1	3.0	2.5	1.8	1.3
1.83	21.5	18.6	12.2	10.4	5.7	5.5	4.0	2.9	2.5	1.8	1.3
1.85	20.8	17.9	11.8	10.1	5.5	5.3	3.9	2.9	2.4	1.8	1.3
1.90	18.2	15.8	10.4	9.0	5.0	4.8	3.5	2.6	2.2	1.6	1.2
1.92	16.8	14.6	9.7	8.4	4.7	4.5	3.3	2.5	2.1	1.5	1.1
2.00	9.9	8.7	6.0	5.3	3.1	3.0	2.2	1.7	1.4	1.0	0.7

Discharge Constant Power at 20°C (Watts)

1.80	42.63	36.86	24.26	20.82	11.48	11.07	8.02	5.96	5.04	3.68	2.63
1.83	41.11	35.60	23.51	20.20	11.18	10.79	7.83	5.82	4.93	3.61	2.58
1.85	39.75	34.45	22.81	19.62	10.89	10.51	7.64	5.70	4.83	3.54	2.53
1.90	35.12	30.52	20.35	17.55	9.84	9.50	6.94	5.20	4.41	3.25	2.33
1.92	32.72	28.48	19.07	16.47	9.29	8.97	6.57	4.93	4.19	3.09	2.22
2.00	19.66	17.34	12.07	10.56	6.22	6.02	4.48	3.43	2.90	2.14	1.52

ARG-5-OPzV-350



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-5-OPzV-350	5	2	380	376	352	323	290	280	2860	0.71

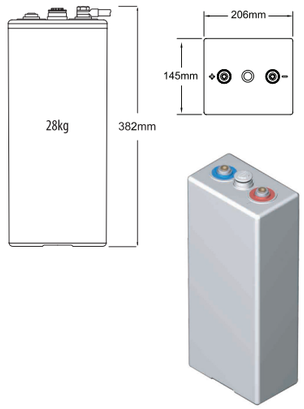
Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	28.0	24.1	15.7	13.5	7.3	7.1	5.1	3.8	3.2	2.3	1.3
1.83	26.9	23.2	15.2	13.0	7.1	6.9	5.0	3.7	3.1	2.3	1.6
1.85	25.9	22.4	14.7	12.6	6.9	6.7	4.8	3.6	3.0	2.2	1.6
1.90	22.7	19.7	13.0	11.2	6.2	6.0	4.4	3.2	2.7	2.0	1.4
1.92	21.0	18.3	12.1	10.5	5.8	5.6	4.1	3.1	2.6	1.9	1.4
2.00	12.3	10.9	7.5	6.6	3.8	3.7	2.8	2.1	1.8	1.3	0.9

Discharge Constant Power at 20°C (Watts)

1.80	53.27	46.07	30.32	26.03	14.35	13.84	10.02	7.45	6.30	4.61	3.29
1.83	51.37	44.48	29.38	25.25	13.97	13.49	9.78	7.28	6.17	4.51	3.22
1.85	49.65	43.04	28.50	24.51	13.61	13.14	9.55	7.12	6.03	4.42	3.16
1.90	43.84	38.11	25.42	21.92	12.29	11.87	8.67	6.49	5.52	4.06	2.91
1.92	40.83	35.55	23.82	20.57	11.60	11.21	8.21	6.16	5.24	3.86	2.78
2.00	24.48	21.61	15.05	13.17	7.76	7.52	5.60	4.28	3.62	2.67	1.90

ARG-6-OPzV-420



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-6-OPzV-420	6	2	457	452	422	388	347	336	3380	0.60

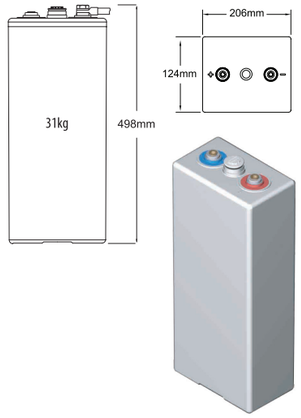
Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	33.6	29.0	18.9	16.2	8.8	8.5	6.1	4.5	3.8	2.8	2.0
1.83	32.3	27.9	18.2	15.6	8.6	8.3	6.0	4.4	3.7	2.7	1.9
1.85	31.1	26.9	17.6	15.1	8.3	8.0	5.8	4.3	3.6	2.7	1.9
1.90	27.2	23.6	15.6	13.4	7.4	7.2	5.2	3.9	3.3	2.4	1.7
1.92	25.2	21.9	15.5	12.5	7.0	6.8	4.9	3.7	3.1	2.3	1.6
2.00	14.7	13.0	9.0	7.9	4.6	4.5	3.3	2.5	2.1	1.6	1.1

Discharge Constant Power at 20°C (Watts)

1.80	63.90	55.26	36.39	31.23	17.22	16.62	12.04	8.95	7.57	5.53	3.95
1.83	61.59	53.34	35.24	30.29	16.77	16.18	11.74	8.74	7.40	5.42	3.87
1.85	59.52	51.60	34.18	29.40	16.33	15.77	11.46	8.55	7.24	5.31	3.80
1.90	52.50	45.65	30.46	26.27	14.74	14.24	10.41	7.79	6.62	4.87	3.50
1.92	48.87	42.56	28.53	24.64	13.91	13.44	9.85	7.39	6.29	4.64	3.33
2.00	29.21	25.80	17.99	15.75	9.30	9.00	6.71	5.13	4.35	3.20	2.28

ARG-5-OPzV-490



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-5-OPzV-490	5	2	564	556	517	472	420	405	3380	0.60

Discharge Constant Current at 20°C (Amperes)

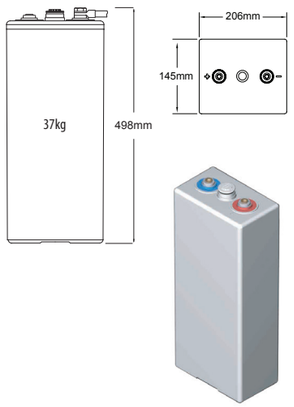
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	40.5	35.0	22.9	19.7	10.8	10.4	7.5	5.6	4.7	3.4	2.4
1.83	38.7	33.5	22.1	18.9	10.4	10.1	7.3	5.4	4.6	3.4	2.4
1.85	37.1	32.2	21.3	18.3	10.1	9.8	7.1	5.3	4.5	3.3	2.3
1.90	32.1	27.9	18.7	16.1	9.0	8.7	6.4	4.8	4.0	3.0	2.1
1.92	29.6	25.8	17.3	15.0	8.5	8.2	6.0	4.5	3.8	2.8	2.0
2.00	16.8	14.9	10.5	9.2	5.5	5.3	4.0	3.0	2.6	19.1	1.4

Discharge Constant Power at 20°C (Watts)

1.80	76.68	66.48	44.03	37.87	21.03	20.30	14.74	10.99	9.32	6.85	4.91
1.83	73.54	63.87	42.49	36.59	20.42	19.72	14.36	10.73	9.11	6.70	4.81
1.85	70.84	61.59	41.09	35.43	19.85	19.17	13.99	10.47	8.90	6.56	4.72
1.90	61.89	54.00	36.35	31.44	17.83	17.23	12.65	9.52	8.11	6.01	4.34
1.92	57.31	50.11	33.91	29.39	16.78	16.22	11.95	9.02	7.69	5.71	4.13
2.00	33.19	29.49	20.90	18.39	11.07	10.72	8.07	6.20	5.30	3.95	2.87

ARG-6-OPzV-588

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-6-OPzV-588	6	2	678	668	622	567	504	486	3980	0.51



Discharge Constant Current at 20°C (Amperes)

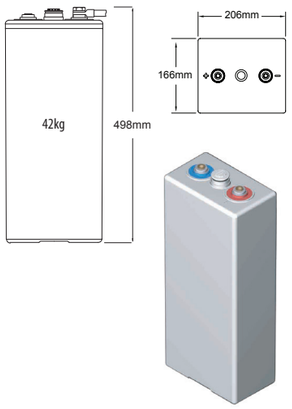
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	48.60	41.98	27.54	23.61	12.95	12.49	9.01	6.68	5.65	4.12	2.94
1.83	46.39	40.15	26.47	22.73	12.54	12.10	8.75	6.50	5.50	4.03	2.87
1.85	44.51	38.58	25.51	21.93	12.15	11.73	8.51	6.33	5.37	3.93	2.81
1.90	38.42	33.43	22.34	19.26	10.81	10.44	7.62	5.71	4.85	3.58	2.57
1.92	35.37	30.85	20.73	17.92	10.13	9.79	7.17	5.39	4.58	3.38	2.43
2.00	19.92	17.69	12.48	10.97	6.55	6.35	4.75	3.65	3.10	2.30	1.65

Discharge Constant Power at 20°C (Watts)

1.80	91.95	79.74	52.85	45.46	25.26	24.38	17.71	13.21	11.20	8.23	5.90
1.83	88.13	76.56	50.96	43.90	24.52	23.67	17.24	12.89	10.94	8.05	5.78
1.85	84.85	73.79	49.27	42.48	23.82	23.01	16.80	12.58	10.69	7.88	5.56
1.90	74.01	64.60	43.53	37.65	21.37	20.66	15.17	11.43	9.74	7.22	5.21
1.92	68.48	59.89	40.58	35.17	20.11	19.44	14.33	10.82	9.23	6.86	4.96
2.00	39.45	35.08	24.92	21.95	13.24	12.83	9.67	7.43	6.35	4.74	3.45

ARG-7-OPzV-686

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-7-OPzV-686	7	2	793	782	727	662	588	567	4520	0.45



Discharge Constant Current at 20°C (Amperes)

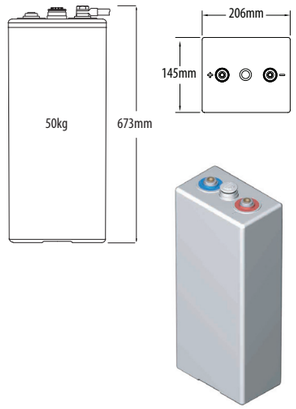
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	56.70	48.99	32.16	27.58	15.14	14.60	10.54	7.82	6.61	4.83	3.44
1.83	54.06	46.81	30.88	26.52	14.64	14.13	10.23	7.60	6.43	4.71	3.36
1.85	51.82	44.93	29.74	25.57	14.18	13.69	9.94	7.40	6.27	4.60	3.29
1.90	44.62	38.85	25.99	22.42	12.60	12.17	8.90	6.67	5.67	4.18	3.00
1.92	41.02	35.80	24.10	203.84	11.81	11.41	8.37	6.39	5.35	3.95	2.85
2.00	22.92	20.37	14.42	12.69	7.61	7.38	5.53	4.25	3.61	2.68	1.93

Discharge Constant Power at 20°C (Watts)

1.80	107.19	92.98	61.67	53.06	29.50	28.48	20.70	15.44	13.09	9.62	6.90
1.83	102.61	89.18	59.42	51.19	28.62	27.64	20.14	15.06	12.79	9.41	6.76
1.85	98.71	85.89	57.40	49.51	27.80	26.85	19.61	14.69	12.49	9.21	6.63
1.90	85.90	75.02	50.62	43.81	24.91	24.08	17.70	13.34	11.37	8.43	6.09
1.92	79.37	69.47	47.14	40.88	23.42	22.65	16.71	12.62	10.78	8.01	5.80
2.00	45.36	40.39	28.78	25.39	15.37	14.90	11.24	8.65	7.41	5.53	4.03

ARG-6-OPzV-840

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-6-OPzV-840	6	2	983	968	892	809	716	690	4360	0.47



Discharge Constant Current at 20°C (Amperes)

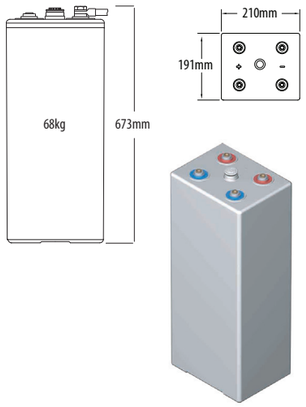
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	69.00	59.67	39.26	33.69	18.59	17.94	13.00	9.68	8.19	6.00	4.28
1.83	65.61	56.89	37.67	32.40	18.00	17.38	12.64	9.43	8.00	5.87	4.19
1.85	62.80	54.55	36.28	31.25	17.46	16.86	12.30	9.20	7.81	5.74	4.11
1.90	53.89	47.06	31.72	27.44	15.59	15.06	11.08	8.34	7.11	5.25	3.78
1.92	49.50	43.35	29.45	25.54	14.64	14.16	10.45	7.89	6.73	4.99	3.60
2.00	28.02	25.03	17.98	15.90	9.70	9.40	7.11	5.46	4.69	3.49	2.56

Discharge Constant Power at 20°C (Watts)

1.80	130.12	113.02	75.20	64.79	36.25	35.00	25.56	19.15	16.27	11.99	8.61
1.83	124.28	108.20	72.42	62.51	35.21	34.01	24.91	18.71	15.92	11.76	8.45
1.85	119.41	104.12	69.95	60.46	34.23	33.08	24.30	18.29	15.58	11.53	8.30
1.90	103.64	90.79	61.74	53.59	30.81	29.80	22.06	16.71	14.28	10.62	7.69
1.92	95.71	84.06	57.58	50.09	29.05	28.11	20.89	15.87	13.58	10.13	7.34
2.00	55.44	49.63	35.86	31.77	19.62	19.02	14.49	11.15	9.64	7.24	5.38

ARG-8-OPzV-1120

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-8-OPzV-1120	8	4	1307	1287	1187	1077	954	920	5980	0.34



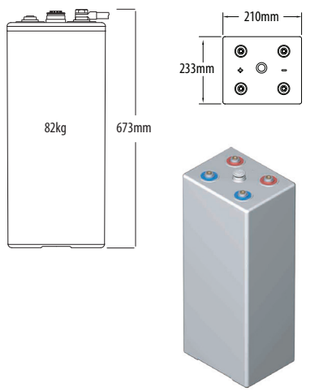
Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	92.00	79.53	52.28	44.86	24.73	23.86	17.29	12.87	10.89	7.97	5.69
1.83	87.59	75.91	50.22	43.18	23.97	23.14	16.82	12.55	10.64	7.80	5.57
1.85	83.92	72.85	48.40	41.67	32.26	22.46	16.37	12.24	10.39	7.64	5.46
1.90	72.20	63.00	42.40	36.67	20.79	20.09	14.76	11.11	9.46	6.99	5.03
1.92	66.42	58.12	39.41	34.16	19.54	18.89	13.93	10.52	8.97	6.65	4.79
2.00	37.88	33.80	24.19	21.36	12.99	12.59	9.50	7.29	6.25	4.65	3.41

Discharge Constant Power at 20°C (Watts)

1.80	173.65	150.77	100.23	86.33	48.25	46.60	34.01	25.47	21.64	15.94	11.44
1.83	166.05	144.50	96.61	83.36	46.90	45.31	33.17	24.90	21.18	15.63	11.24
1.85	159.68	139.15	93.38	80.69	45.62	44.09	32.36	24.35	20.74	15.33	11.04
1.90	138.93	121.63	82.59	71.64	41.11	39.76	29.40	22.26	19.02	14.14	10.23
1.92	128.48	112.76	77.09	67.03	38.79	37.53	27.86	21.15	18.09	13.49	9.77
2.00	74.99	67.03	48.26	42.71	26.27	25.48	19.37	14.89	12.86	9.64	7.15

ARG-10-OPzV-1400



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-10-OPzV-1400	10	4	1636	1610	1485	1347	1193	1150	7380	0.28

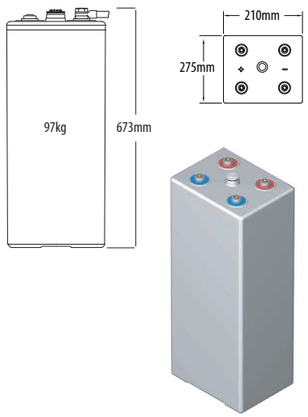
Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	115.00	99.43	65.38	56.11	30.94	29.86	21.64	16.10	13.63	9.98	7.12
1.83	109.43	94.76	62.78	53.99	29.98	28.94	21.04	15.70	13.31	9.76	6.97
1.85	104.80	91.00	60.48	52.09	29.09	28.09	20.48	15.32	13.00	9.56	6.84
1.90	90.07	78.61	52.95	45.79	26.98	25.11	18.45	13.89	11.83	8.75	6.29
1.92	82.80	72.48	49.18	42.65	24.41	23.61	17.42	13.15	11.22	8.31	5.99
2.00	47.07	42.03	30.12	26.62	16.21	15.71	11.87	9.10	7.81	5.82	4.27

Discharge Constant Power at 20°C (Watts)

1.80	216.98	188.42	125.31	107.94	60.36	58.29	42.55	31.87	27.08	19.96	14.32
1.83	207.38	180.50	120.73	104.19	58.65	56.66	41.49	31.15	26.50	19.56	14.06
1.85	199.35	173.76	116.67	100.82	57.04	55.12	40.47	30.46	25.94	19.18	13.82
1.90	173.27	151.73	103.09	89.45	51.37	49.69	36.76	27.83	23.78	17.69	12.80
1.92	160.14	140.59	96.19	83.66	48.46	46.89	34.82	26.44	22.62	16.87	12.23
2.00	93.17	83.32	60.08	53.20	32.78	31.79	24.18	18.60	16.07	12.05	8.95

ARG-12-OPzV-1680



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-12-OPzV-1680	12	4	1969	1938	1786	1618	1432	1380	8640	0.24

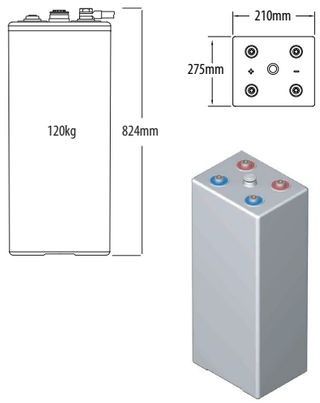
Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	138.00	119.36	78.56	67.43	37.21	35.91	26.03	19.38	16.41	12.02	8.57
1.83	131.15	113.73	75.35	64.81	36.03	34.78	25.30	18.89	16.01	11.75	8.40
1.85	125.49	109.02	72.54	62.49	34.94	33.74	24.61	18.42	15.64	11.50	8.23
1.90	107.56	93.95	63.57	54.84	31.17	30.12	22.16	16.69	14.22	10.52	7.57
1.92	98.74	86.50	58.80	51.02	29.27	28.30	20.90	15.79	13.48	9.99	7.20
2.00	55.71	49.80	35.82	31.69	19.37	18.77	14.21	10.91	9.37	6.99	5.13

Discharge Constant Power at 20°C (Watts)

1.80	260.12	225.98	150.42	129.61	72.54	70.06	51.16	38.34	32.58	24.01	17.24
1.83	248.33	216.25	144.79	125.00	70.44	68.06	49.86	37.46	31.87	23.54	16.93
1.85	238.52	208.02	139.83	120.88	68.48	66.18	48.62	36.61	31.19	23.08	16.63
1.90	206.81	181.22	123.32	107.06	61.60	59.58	44.11	33.43	28.57	21.26	15.40
1.92	190.87	167.69	114.94	100.03	58.07	56.19	41.77	31.74	27.17	20.27	14.70
2.00	110.20	98.72	71.43	63.31	39.17	37.98	28.94	22.30	19.27	14.47	10.76

ARG-12-OPzV-2100



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-12-OPzV-2100	12	4	2227	2197	2050	1878	1678	1620	9440	0.22

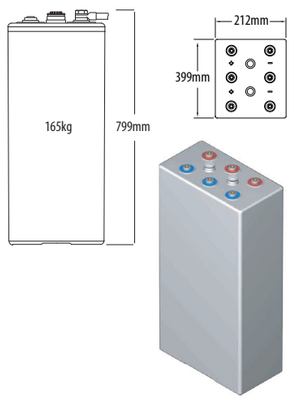
Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	162.00	139.83	91.41	78.25	42.71	41.18	29.67	21.97	18.56	13.53	9.62
1.83	154.10	133.35	87.71	75.24	41.35	39.89	28.83	21.40	18.10	13.22	9.42
1.85	147.53	127.87	84.45	72.54	40.09	38.69	28.04	20.86	17.66	12.93	9.22
1.90	126.58	110.25	73.75	63.62	35.72	34.50	25.20	18.87	16.03	11.79	8.46
1.92	116.23	101.52	68.41	59.17	33.52	32.39	23.75	17.83	15.17	11.19	8.04
2.00	65.36	58.22	41.44	36.54	22.00	21.32	16.02	12.21	10.42	7.68	5.42

Discharge Constant Power at 20°C (Watts)

1.80	305.70	265.01	175.20	150.54	83.30	80.39	58.34	43.47	36.84	27.02	19.34
1.83	292.08	253.77	168.70	145.22	80.89	78.09	56.84	42.46	36.02	26.47	18.97
1.85	280.68	244.20	162.93	140.43	78.62	75.93	55.42	41.48	35.23	25.95	18.62
1.90	243.59	212.85	143.64	124.30	70.64	68.28	50.20	37.81	32.21	23.84	17.19
1.92	224.89	196.98	133.84	116.09	66.54	64.34	47.48	35.86	30.60	22.69	16.39
2.00	129.45	115.51	82.75	73.06	44.42	43.16	32.53	25.08	21.34	15.81	11.30

ARG-16-OPzV-2800



Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-16-OPzV-2800	16	6	2966	2927	2732	2503	2237	2160	12680	0.16

Discharge Constant Current at 20°C (Amperes)

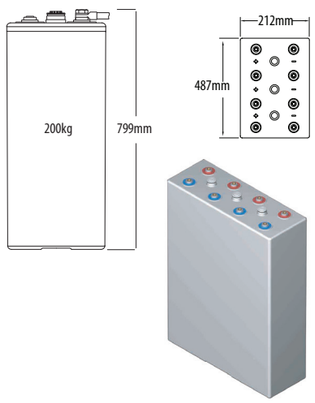
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	216.00	186.41	121.83	104.28	56.91	54.87	39.53	29.27	24.72	18.02	12.81
1.83	205.55	177.84	116.94	100.30	55.11	53.16	38.42	28.52	24.11	17.61	12.54
1.85	196.84	170.58	112.62	96.73	53.43	51.56	37.37	27.80	23.53	17.23	12.29
1.90	169.03	147.19	98.41	84.88	47.63	46.00	33.59	25.15	21.36	12.72	11.26
1.92	155.28	135.59	91.31	78.96	44.70	43.19	31.66	23.77	20.22	14.91	10.71
2.00	87.52	77.93	55.41	48.83	29.37	28.46	21.37	16.29	13.90	10.24	7.23

Discharge Constant Power at 20°C (Watts)

1.80	407.72	353.41	233.56	200.67	111.01	107.13	77.73	57.92	49.08	36.00	25.76
1.83	389.70	338.53	224.97	193.63	107.81	104.09	75.75	56.58	47.99	35.27	25.27
1.85	374.58	325.85	217.31	187.29	104.81	101.22	73.86	55.28	46.95	34.57	24.80
1.90	325.34	284.22	191.70	165.86	94.20	91.05	66.92	50.39	42.93	31.76	22.90
1.92	300.49	263.14	178.68	154.96	88.75	85.82	63.31	47.80	40.78	30.23	21.84
2.00	173.36	154.64	110.66	97.66	59.30	57.62	43.40	33.45	28.45	21.08	15.06

ARG-20-OPzV-3500

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-20-OPzV-3500	20	8	3704	3655	3412	3127	2796	2700	16240	0.13



Discharge Constant Current at 20°C (Amperes)

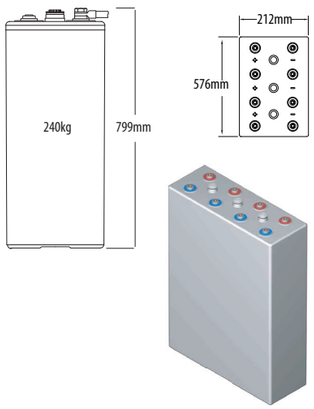
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	270.00	232.98	152.22	130.29	71.08	68.54	49.37	36.55	30.87	22.50	16.00
1.83	256.93	222.25	146.08	125.27	68.80	66.37	47.96	35.59	30.09	21.98	15.66
1.85	246.02	213.14	140.65	120.78	66.69	64.35	46.63	34.68	29.36	21.49	15.33
1.90	211.16	183.82	122.81	105.90	59.37	57.34	41.87	31.34	26.61	19.57	14.03
1.92	193.92	169.26	113.89	98.46	55.68	3.80	39.42	29.59	25.17	18.55	13.32
2.00	108.77	96.82	68.75	60.55	36.41	35.23	26.49	20.13	17.21	12.67	8.92

Discharge Constant Power at 20°C (Watts)

1.80	509.69	441.70	291.79	250.66	138.62	133.77	97.04	72.30	61.26	44.92	32.15
1.83	487.14	423.06	280.99	241.80	134.57	129.92	94.52	70.59	59.88	44.00	31.52
1.85	468.19	407.16	271.37	233.83	130.77	126.28	92.13	68.94	58.54	43.10	30.92
1.90	406.43	354.93	239.20	206.90	117.41	113.47	83.37	62.76	53.46	39.54	28.49
1.92	375.23	328.47	222.83	193.19	110.54	106.88	78.81	59.48	50.74	37.61	27.16
2.00	215.45	192.07	137.26	121.13	73.47	71.38	53.75	41.31	35.21	26.07	18.57

ARG-24-OPzV-4200

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-24-OPzV-4200	24	8	4462	4402	4106	3760	3357	3240	18460	0.11



Discharge Constant Current at 20°C (Amperes)

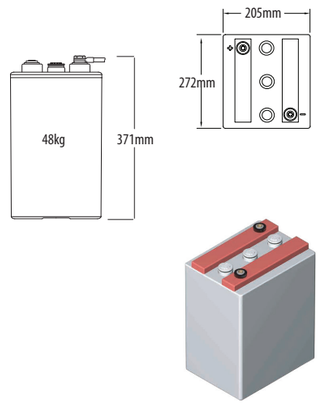
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	324.00	279.73	182.98	156.66	85.55	82.49	59.44	44.02	37.18	27.11	19.28
1.83	308.02	266.53	175.52	150.57	82.81	79.90	57.76	42.89	36.27	26.50	18.88
1.85	294.79	255.59	168.95	145.15	80.26	77.47	56.18	41.81	35.40	25.92	18.49
1.90	252.65	220.17	147.45	127.24	71.53	69.09	50.50	37.83	32.14	23.66	16.96
1.92	231.89	202.65	136.74	118.31	67.12	64.86	47.59	35.76	30.42	22.45	16.13
2.00	130.24	116.14	82.84	73.09	44.12	42.77	32.16	24.55	20.94	15.44	10.93

Discharge Constant Power at 20°C (Watts)

1.80	611.12	529.95	350.58	301.29	166.83	161.01	116.87	87.11	73.83	54.16	38.77
1.83	583.59	507.22	337.45	290.55	161.98	156.39	113.87	85.09	72.20	53.07	38.04
1.85	560.60	487.94	325.85	280.92	157.43	152.04	111.02	83.13	70.62	52.02	37.34
1.90	486.08	424.96	287.12	248.56	141.44	136.72	100.58	75.79	64.59	47.82	34.48
1.92	448.55	393.12	267.47	232.11	133.24	128.85	95.15	71.90	61.37	45.52	32.90
2.00	257.94	230.35	165.40	146.15	89.08	86.55	65.30	50.44	42.88	31.81	22.77

ARG-6V-4-OPzV-240

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-6V-4-OPzV-240	4	2	268	264	251	233	212	206	2260	2.70



Discharge Constant Current at 20°C (Amperes)

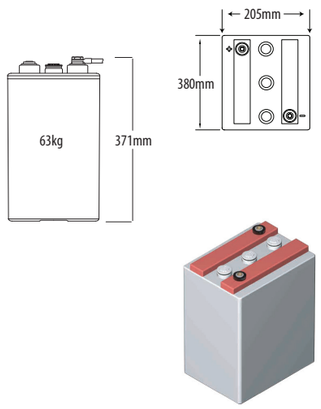
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	20.60	17.68	11.40	9.71	5.22	5.02	3.59	2.64	2.23	1.62	1.15
1.83	19.73	16.96	10.98	9.37	5.05	4.87	3.49	2.57	2.17	1.58	1.12
1.85	18.97	16.33	10.60	9.06	4.90	4.72	3.39	2.50	2.11	1.54	1.10
1.90	16.51	14.26	9.34	8.00	4.37	4.22	3.04	2.25	1.90	1.39	1.00
1.92	15.31	13.24	8.71	7.47	4.10	3.96	2.86	2.13	1.90	1.32	0.95
2.00	9.27	8.12	5.51	4.78	2.72	2.63	1.92	1.44	1.23	0.92	0.63

Discharge Constant Power at 20°C (Watts)

1.80	39.24	33.80	22.00	18.81	10.22	9.86	7.09	5.24	4.43	3.24	2.31
1.83	37.72	32.55	21.27	18.21	9.93	9.58	6.90	5.11	4.32	3.16	2.26
1.85	36.39	31.43	20.60	17.65	9.66	9.32	6.72	4.99	4.22	3.09	2.22
1.90	32.00	27.72	18.31	15.73	8.69	8.38	6.08	4.53	3.84	2.82	2.03
1.92	29.80	25.86	17.15	14.75	8.19	7.90	5.74	4.29	3.64	2.68	1.93
2.00	18.44	16.18	11.06	9.61	5.53	5.35	3.93	2.95	2.55	1.88	1.30

ARG-6V-5-OPzV-350

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-6V-5-OPzV-350	5	2	335	331	313	292	265	258	2740	2.22



Discharge Constant Current at 20°C (Amperes)

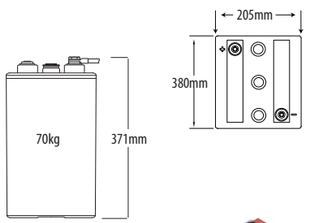
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	25.75	22.10	14.25	12.15	6.53	6.29	4.50	3.31	2.79	2.03	1.44
1.83	24.64	21.19	13.73	11.72	6.32	6.09	4.36	3.22	2.71	1.97	1.41
1.85	23.68	20.39	13.25	1.32	6.13	5.91	4.24	3.13	2.64	1.93	1.37
1.90	20.58	17.78	11.65	9.99	5.46	5.27	3.80	2.82	2.38	1.74	1.25
1.92	19.06	16.50	10.87	9.32	5.13	4.95	3.58	2.66	2.25	1.65	1.19
2.00	11.50	10.07	6.85	5.95	3.39	3.28	2.40	1.80	1.54	1.15	0.79

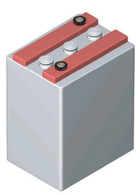
Discharge Constant Power at 20°C (Watts)

1.80	49.02	42.23	27.51	23.52	12.79	12.33	8.87	6.56	5.54	4.05	2.90
1.83	47.09	40.64	26.58	22.76	12.42	11.98	8.63	6.40	5.41	3.96	2.83
1.85	45.40	39.23	25.73	22.05	12.08	11.65	8.41	6.24	5.28	3.87	2.77
1.90	39.87	34.56	22.85	19.63	10.85	10.47	7.59	5.66	4.80	3.53	2.54
1.92	37.11	32.22	21.39	18.40	10.23	9.87	7.18	5.36	4.55	3.35	2.42
2.00	22.87	20.08	13.75	11.96	6.89	6.67	4.90	3.69	3.19	2.36	1.63

ARG-6V-6-OPzV-360

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-6V-6-OPzV-360	6	2	402	398	377	350	318	309	3220	1.89





Discharge Constant Current at 20°C (Amperes)

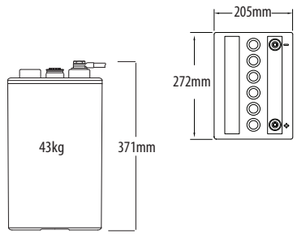
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	30.90	26.53	17.12	14.60	7.85	7.56	5.41	3.98	3.35	2.44	1.73
1.83	29.53	25.40	16.47	14.06	7.60	7.32	5.25	3.87	3.26	2.38	1.69
1.85	28.35	24.42	15.89	13.58	7.36	7.10	5.10	3.76	3.18	2.32	1.65
1.90	24.57	21.25	13.95	11.95	6.55	6.32	4.56	3.38	2.86	2.10	1.50
1.92	22.73	19.69	12.99	11.15	6.15	5.93	4.29	3.19	2.70	1.98	1.43
2.00	13.61	11.91	8.15	7.08	4.04	3.91	2.87	2.16	1.85	1.38	0.95

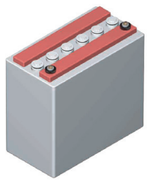
Discharge Constant Power at 20°C (Watts)

1.80	58.76	50.64	33.02	28.24	15.37	14.81	10.66	7.89	6.67	4.87	3.48
1.83	56.37	48.68	31.87	27.30	14.92	14.39	10.37	7.69	6.50	4.76	3.41
1.85	54.30	46.94	30.83	26.43	14.50	13.98	10.10	7.50	6.35	4.65	3.34
1.90	47.57	41.26	27.32	23.48	13.01	12.56	9.11	6.80	5.76	4.24	3.06
1.92	44.22	38.42	25.55	22.00	12.25	11.83	8.61	6.43	5.46	4.03	2.91
2.00	27.05	23.79	16.34	14.23	8.21	7.94	5.87	4.42	3.82	2.83	1.96

ARG-12V-1-OPzV-60

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-12V-1-OPzV-60	1	2	66	65	62	58	52	51	620	19.80





Discharge Constant Current at 20°C (Amperes)

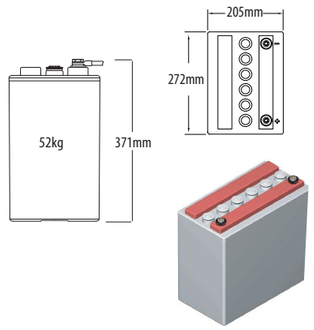
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	5.10	4.37	2.82	2.40	1.29	1.24	0.09	0.65	0.55	0.40	0.28
1.83	4.88	4.20	2.71	2.32	1.25	1.20	0.86	0.63	0.54	0.39	0.28
1.85	4.69	4.04	2.62	2.24	1.21	1.17	0.84	0.62	0.52	0.38	0.27
1.90	4.06	3.51	2.30	1.97	1.07	1.04	0.75	0.55	0.47	0.34	0.25
1.92	3.76	3.25	2.14	1.87	1.01	0.97	0.70	0.52	0.44	0.32	0.23
2.00	2.25	1.97	1.34	1.16	0.66	0.64	0.47	0.35	0.30	0.23	0.15

Discharge Constant Power at 20°C (Watts)

1.80	9.71	8.36	5.44	4.65	2.52	2.43	1.75	1.29	1.09	0.80	0.57
1.83	9.34	8.05	5.25	4.50	2.45	2.36	1.70	1.26	1.07	0.78	0.56
1.85	9.00	7.77	5.08	4.35	2.38	2.30	1.66	1.23	1.04	0.76	0.55
1.90	7.88	6.82	4.50	3.86	2.13	2.06	1.49	1.11	0.94	0.69	0.50
1.92	7.32	6.35	4.20	3.61	2.01	1.94	1.41	1.05	0.89	0.66	0.48
2.00	4.48	3.93	2.68	2.33	1.34	1.30	0.95	0.72	0.62	0.46	0.32

ARG-12V-2-OPzV-120

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-12V-2-OPzV-120	2	2	132	131	124	115	105	102	1240	9.90



Discharge Constant Current at 20°C (Amperes)

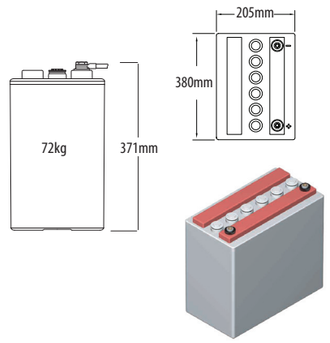
End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	10.20	8.75	5.63	4.80	2.58	2.48	1.77	1.31	1.10	0.80	0.57
1.83	9.77	8.39	5.43	4.63	2.50	2.41	1.72	1.27	1.07	0.78	0.55
1.85	9.38	8.07	5.24	4.47	2.42	2.33	1.67	1.24	1.04	0.76	0.54
1.90	8.13	7.02	4.59	3.93	2.15	2.07	1.49	1.11	0.94	0.69	0.49
1.92	7.52	6.50	4.27	3.66	2.01	1.94	1.40	1.04	0.88	0.65	0.47
2.00	4.50	3.94	2.67	2.32	1.32	1.28	0.93	0.70	0.60	0.45	0.31

Discharge Constant Power at 20°C (Watts)

1.80	19.43	16.72	10.87	9.29	5.05	4.86	3.50	2.59	2.19	1.60	1.14
1.83	18.68	16.10	10.51	8.99	4.90	4.73	3.41	2.52	2.13	1.56	1.12
1.85	18.00	15.53	10.17	8.71	4.77	4.60	3.32	2.46	2.08	1.53	1.09
1.90	15.75	13.64	9.00	7.73	4.27	4.12	2.99	2.23	1.89	1.39	1.00
1.92	14.64	12.69	8.41	7.23	4.01	3.87	2.82	2.10	1.79	1.32	0.95
2.00	8.96	7.85	5.36	4.66	2.69	2.60	1.91	1.44	1.23	0.92	0.64

ARG-12V-3-OPzV-180

Part Number	No. of Positive Plates	No. of Poles	Nominal Capacity (Ah at 20°C)						I_{sc}	R_{int}
			C_{120}	C_{100}	C_{48}	C_{24}	C_{12}	C_{10}		
			Discharged to an end voltage of 1.80 Vpc						A	mΩ
ARG-12V-3-OPzV-180	3	2	199	197	186	173	158	153	1720	7.08



Discharge Constant Current at 20°C (Amperes)

End Voltage	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1.80	15.30	13.13	8.46	7.21	3.87	3.73	2.67	1.97	1.66	1.20	0.86
1.83	14.62	12.57	8.14	6.95	3.75	3.61	2.59	1.91	1.61	1.17	0.84
1.85	14.02	12.07	7.84	6.70	3.63	3.50	2.51	1.86	1.57	1.14	0.62
1.90	12.10	10.45	6.85	5.87	3.22	3.10	2.24	1.66	1.41	1.03	0.74
1.92	11.16	9.66	6.37	5.46	3.01	2.91	2.10	1.57	1.33	0.98	0.70
2.00	6.61	5.80	3.95	3.43	1.96	1.90	1.40	1.05	0.90	0.68	0.46

Discharge Constant Power at 20°C (Watts)

1.80	29.10	25.06	16.31	13.95	7.58	7.31	5.26	3.89	3.29	2.40	1.72
1.83	27.19	24.08	15.74	13.48	7.36	7.10	5.12	3.79	3.21	2.35	1.68
1.85	26.85	23.20	15.21	13.03	7.15	6.89	4.98	3.70	3.13	2.29	1.65
1.90	23.42	20.29	13.42	11.53	6.39	6.17	4.48	3.34	2.83	2.09	1.51
1.92	21.72	18.85	12.52	10.77	6.00	5.80	4.22	3.16	2.68	1.98	1.43
2.00	13.15	11.55	7.93	6.90	3.99	3.86	2.85	2.15	1.85	1.39	0.96

NOTES

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