



DG Series

Summary

DG (Deep Cycle GEL) series is designed for frequent cyclic charge and discharge applications under extreme environments. By using strong grids, high purity lead and patented Gel electrolyte, DG series offers excellent recovery after deep discharge under frequent cyclic discharge, and can deliver 400 cycles at 100% DOD. Suitable for solar, CATV, marine, RV and deep discharge UPS etc..

Product Features

- Capacity range(C_{20}): 33Ah—3000Ah
- Voltage class: 2V/6V/12V
- Long design life: 12years for 6V/12V
18years for 2V
- Low self-discharge rate: $\leq 2.5\%$ per month
- High sealed reaction efficiency: $\geq 98\%$
- High specific energy density
- Excellent charge acceptance
- Wide operation temperature: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$.
- Grid: patent primary and secondary grid structure design;
- Positive plate: Pasted flat type, high temperature and humidity formation technics;
- Separator: high porosity PE separator with glass fibre good cyclic characteristics and lower resistance;
- Battery container: High strength ABS(UL94-HB) and UL94-V0 is optional;
- Post sealing: patent double layer post sealing
- Safety Valve: narrow operate pressure range and equipped with explosion-proof arrester and acid filter.

Application

- Telecommunication
- Photovoltaic / Wind Energy
- UPS
- Cable TV

Compliant Standards

- IEC60896-21/22- 2004
- DIN43539-T5
- IEC61427-2005
- YD/T1360-2005
- GB/T 22473-2008
- Passed ISO9001, ISO14001, OHSAS18001, UL, CE certificate

Main Parameters

Model	Nominal Voltage (V)	Capacity C_{20} (Ah)	Weight		Terminal Type	Dimension								Internal Resistance ($m\Omega@25^{\circ}\text{C}$)	Short Circuit Current (A)	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
						mm	inch	mm	inch	mm	inch	mm	inch			
DG6-100	6	100	36.38	16.5	F14	194	7.64	170	6.69	205	8.07	212	8.35	5.0	1710	A
DG6-150	6	150	51.82	23.5	F12	260	10.24	180	7.09	245	9.65	252	9.92	4.5	2370	B
DG6-180	6	180	58.43	26.5	F12	306	12.05	168	6.61	220	8.66	227	8.94	5.0	2840	A
DG6-200	6	200	63.95	29	F16/F14	322	12.68	177.5	6.99	226	8.90	231	9.09	4.0	3150	A
DG6-200S	6	200	66.15	30	F12	260	10.24	180	7.09	245	9.65	252	9.92	4.0	3250	B
DG6-225	6	225	70.56	32	F16/F14	322	12.68	177.5	6.99	226	8.90	231	9.09	4.0	3465	A
DG6-225S	6	225	70.56	32	F14	243	9.57	187	7.36	275	10.83	275	10.83	4.0	3580	B
DG12-33	12	33	22.49	10.2	F7/F11	195	7.68	130	5.12	155	6.10	168	6.61	9.5	670	C
DG12-40	12	40	29.11	13.2	F4/F11	198	7.80	166	6.54	169	6.65	169	6.65	9.0	750	D
DG12-55	12	55	37.49	17	F15/F11	229	9.02	138	5.43	211	8.31	216	8.50	8.6	1040	C
DG12-60	12	60	45.20	20.5	F15/F11	260	10.24	169	6.65	211	8.31	218	8.58	8.5	1130	C
DG12-65	12	65	46.31	21	F5/F11	350	13.78	167	6.57	182	7.17	182	7.17	8.0	1250	C
DG12-70	12	70	49.61	22.5	F5/F11	350	13.78	167	6.57	182	7.17	182	7.17	8.0	1320	C
DG12-70S	12	70	47.41	21.5	F15/F11	260	10.24	169	6.65	211	8.31	218	8.58	8.0	1350	C
DG12-75	12	75	51.82	23.5	F15/F11	260	10.24	169	6.65	211	8.31	218	8.58	7.0	1410	C
DG12-80	12	80	55.13	25	F5/F11	260	10.24	169	6.65	211	8.31	218	8.58	7.0	1510	C
DG12-90	12	90	62.84	28.5	F15/F12	306.5	12.07	168.5	6.63	210	8.27	215	8.46	6.5	1600	C
DG12-100	12	100	66.15	30	F5/F12	328	12.91	172	6.77	215	8.46	220	8.66	7.5	1760	C
DG12-120	12	120	78.28	35.5	F5/F12	407	16.02	177	6.97	225	8.86	225	8.86	5.5	1900	C
DG12-134	12	134	91.51	41.5	F5/F12	340	13.39	173	6.81	280	11.02	287	11.30	5.0	2120	C
DG12-145	12	145	97.02	44	F5/F12	340	13.39	173	6.81	280	11.02	287	11.30	5.0	2300	C
DG12-150	12	150	98.12	44.5	F5/F12	483	19.02	170	6.69	241	9.49	241	9.49	6.0	2460	C
DG12-160	12	160	110.3	50	F16/F12	532	20.94	207	8.15	214	8.43	219	8.62	6.0	2450	E
DG12-180	12	180	116.9	53	F16/F12	532	20.94	207	8.15	214	8.43	219	8.62	5.5	2700	E
DG12-200	12	200	132.3	60	F16/F10	522	20.55	240	9.45	219	8.62	224	8.82	5.2	3020	E
DG12-225	12	225	143.3	65	F16/F10	522	20.55	240	9.45	219	8.62	224	8.82	4.8	3650	E
DG12-230	12	230	147.7	67	F10	521	20.51	269	10.59	204	8.03	209	8.23	6.0	2750	E
DG12-260	12	260	163.2	74	F14	520	20.47	268	10.55	220	8.66	225	8.86	5.0	4460	E

Model	Nominal Voltage	Capacity C ₁₀	Weight		Terminal Type	Dimensions								Internal Resistance	Short Circuit Current	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
	(V)	(Ah)				mm	inch	mm	inch	mm	inch	mm	inch			
DG2-100	2	100	12.35	5.6	F10	171	6.73	72	2.83	206	8.11	211	8.31	1.35	1710	A
DG2-200	2	200	30.87	14	F10	172.5	6.79	110	4.33	328	12.91	351	13.82	0.8	2200	G
DG2-250	2	250	38.59	17.5	F10	171	6.73	150	5.91	330	12.99	353	13.90	1.17	2350	G
DG2-300	2	300	41.90	19	F10	171	6.73	150	5.91	330	12.99	353	13.90	1.1	2450	G
DG2-350	2	350	54.02	24.5	F10	211	8.31	176	6.93	330	12.99	353	13.90	0.8	2640	H
DG2-400	2	400	57.33	26	F10	211	8.31	176	6.93	330	12.99	353	13.90	1.0	2820	H
DG2-450	2	450	63.95	29	F10	211	8.31	176	6.93	330	12.99	353	13.90	1.0	3000	H
DG2-500	2	500	67.25	30.5	F10	242	9.53	172	6.77	330	12.99	353	13.90	1.0	3850	H
DG2-600	2	600	81.59	37	F10	302	11.89	175	6.89	330	12.99	353	13.90	0.63	4250	H
DG2-650	2	650	88.20	40	F10	302	11.89	175	6.89	330	12.99	353	13.90	0.63	4350	H
DG2-750	2	750	101.4	46	F10	409	16.10	175	6.89	330	12.99	353	13.90	0.6	5000	J
DG2-800	2	800	110.3	50	F10	409	16.10	175	6.89	330	12.99	353	13.90	0.6	5250	J
DG2-1000	2	1000	136.7	62	F10	475	18.70	174	6.85	328	12.91	351	13.82	0.60	5870	J
DG2-1200	2	1200	163.2	74	F10	475	18.70	174	6.85	328	12.91	351	13.82	0.81	6950	J
DG2-1500	2	1500	211.7	96	F10	401	15.79	350	13.78	341	13.43	364	14.33	0.75	9170	K
DG2-2000	2	2000	278.9	126.5	F10	490	19.29	350	13.78	341	13.43	364	14.33	0.40	11500	L
DG2-2500	2	2500	377.1	171	F10	710	27.95	353	13.90	341	13.43	364	14.33	0.30	15000	L
DG2-3000	2	3000	425.6	193	F10	710	27.95	353	13.90	341	13.43	364	14.33	0.30	19000	L

Model	Nominal Voltage	Capacity C ₂₀	Weight		Terminal Type	Dimensions								Internal Resistance	Short Circuit Current	Terminal Position
			Lbs	Kg		Length		Width		Height		Total Height				
	(V)	(Ah)				mm	inch	mm	inch	mm	inch	mm	inch			
FT12-55G	12	55	39.69	18	F11	291	11.46	106	4.17	230	9.06	230	9.06	9.0	1250	E
FT12-90G	12	90	58.43	26.5	F6	562	22.13	114	4.49	188	7.40	188	7.40	8.7	2030	E
FT12-105G	12	105	71.66	32.5	F8	508	20.00	110	4.33	236	9.29	236	9.29	7.5	2120	E
FT12-110G	12	110	72.77	33	F9	410	16.14	110	4.33	286	11.26	286	11.26	7.2	2240	E
FT12-150G	12	150	95.92	43.5	F9	565	22.24	110	4.33	288	11.34	288	11.34	6.0	2850	E
FT12-160G	12	160	103.64	47	F9	565	22.24	110	4.33	288	11.34	288	11.34	5.8	3050	E
FT12-180G	12	180	114.66	52	F9	560	22.05	125	4.92	316	12.44	316	12.44	5.0	3650	E

Certificates



- UL: MH28539
- CE: G4M20206-910-E-16
- ISO9001, ISO14001, OHSAS18001