FOTEC

JB SERIES

JB Deep Cycle 12V 55 Ah

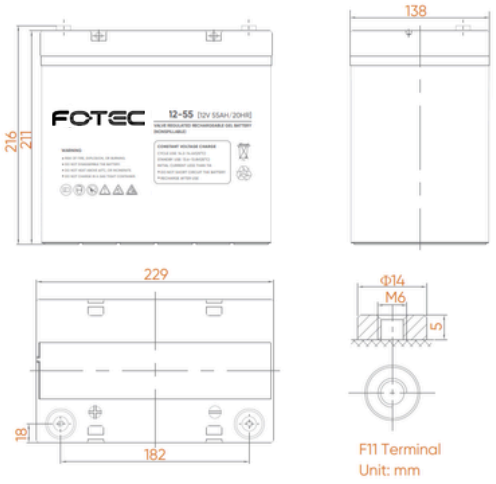
43701010003

Deep Cycle Gel Valve Regulated Lead Acid Battery

DG (Deep Cycle GEL) series is pure GEL battery with 20 years floating design life, it is ideal for standby or frequent cyclic discharge applications under extreme environments. By using strong grids, high purity lead and patented Gel electrolyte, the DG series o ers excellent recovery capability after deep discharge under frequent cyclic discharge use, and can deliver 450 cycles at 100% DOD.

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	55Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 17 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 8.6 mΩ
Terminal	F15(M6) / F11(M6)
Max. Discharge Current	550A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	11.0 A
Reference Capacity	C3: 37.5AH C5: 43.3AH C10: 48.2AH C20: 55.0AH
Float Charging Voltage	13.6V ~ 13.8V @25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.2V ~ 14.4V @25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ± 5°C
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional



Length
229±2mm (9.02 inches)

Width
138±2mm (5.43 inches)

Height
211±2mm (8.31 inches)

Total Height
216±2mm (8.50 inches)

Terminal M5 Value
6-7 N*m

Terminal M6 Value
8-10 N*m

Terminal M8 Value
10-12 N*m

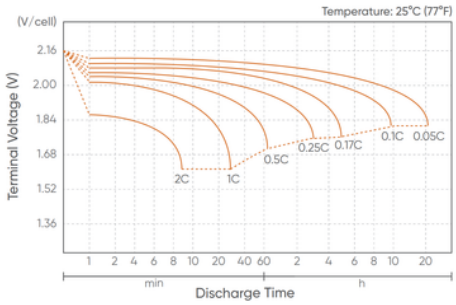
Constant Current Discharge Characteristics: A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	101.9	79.77	52.46	30.74	18.39	12.70	10.52	8.85	6.05	5.02	3.03
1.65V	97.00	78.14	51.59	30.60	18.25	12.65	10.47	8.80	6.00	4.97	2.92
1.70V	93.58	76.91	51.13	30.32	18.11	12.55	10.42	8.75	5.95	4.92	2.83
1.75V	87.37	74.09	51.24	30.03	17.97	12.50	10.32	8.65	5.90	4.87	2.75
1.80V	80.61	69.09	50.85	29.33	17.65	12.16	10.08	8.49	5.80	4.82	2.59
1.85V	72.88	62.68	48.07	27.86	16.87	11.63	9.59	8.13	5.56	4.68	2.48

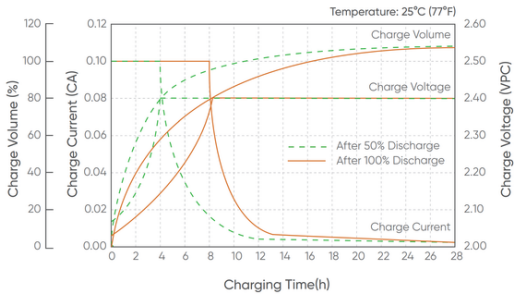
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	181	145	98.1	59.2	36.1	25.2	20.9	17.6	12.0	9.99	5.35
1.65V	175	143	97.0	59.1	35.9	25.2	20.9	17.6	12.0	9.93	5.26
1.70V	171	141	97.2	58.6	35.7	25.1	20.8	17.5	11.9	9.84	5.16
1.75V	161	136	97.5	58.1	35.5	25.0	20.6	17.3	11.8	9.74	5.06
1.80V	150	127	96.9	57.0	35.0	24.3	20.2	17.0	11.6	9.65	4.96
1.85V	137	116	92.1	54.6	33.7	23.3	19.2	16.3	11.1	9.36	4.67

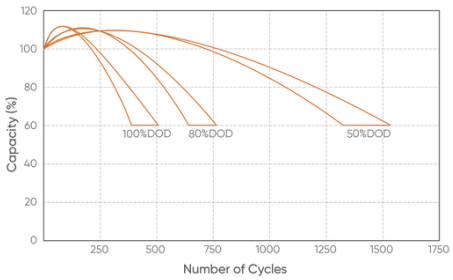
Discharge Characteristics Curve



Charge Characteristic Curve for Cycle Use (IU)



Discharge Characteristics Curve



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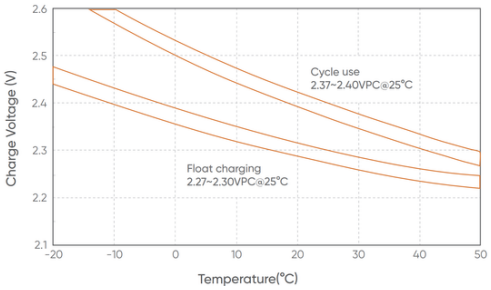
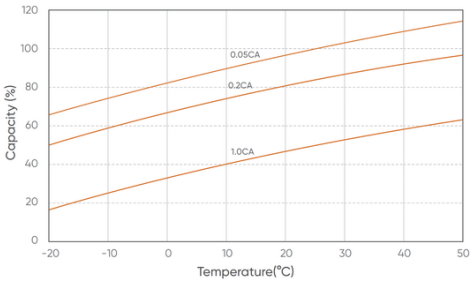
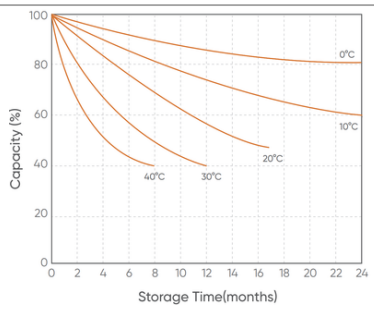


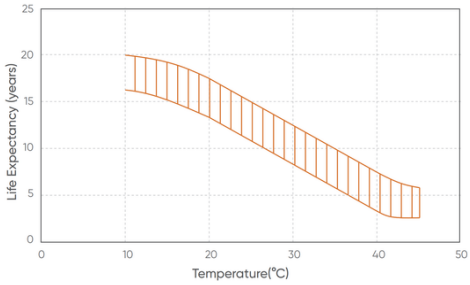
Discharge Characteristics Curve



Charge Characteristic Curve for Cycle Use (IU)



Discharge Characteristics Curve



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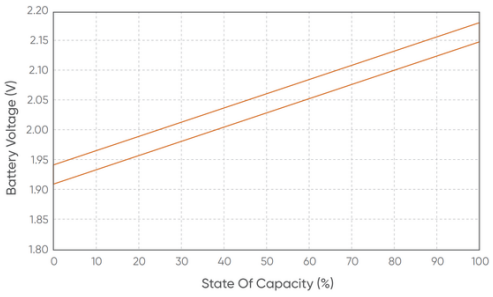

PRODUCT AND PRODUCTION FACILITY CERTIFICATES

- EN IEC 61000-6-3:2021
- EN IEC 61000-6-1:2019
- EN 61000-3-3:2*13+A2:2021+AC:2022
- EN IEC 61000-3-2:2019+A1:2021

- TS 10002:2018
- TS EN ISO 14001:2015
- TS EN ISO 9001:2015
- TS ISO/IEC 20000-1:2013
- TS ISO 45001:2018
- TS50001:2018 GREEN IT
- TS18001 :2007 - OHSAS 18001

Please read the safety and installation instructions.
Visit www.fotec.com.tr
You can request the printed version.

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