

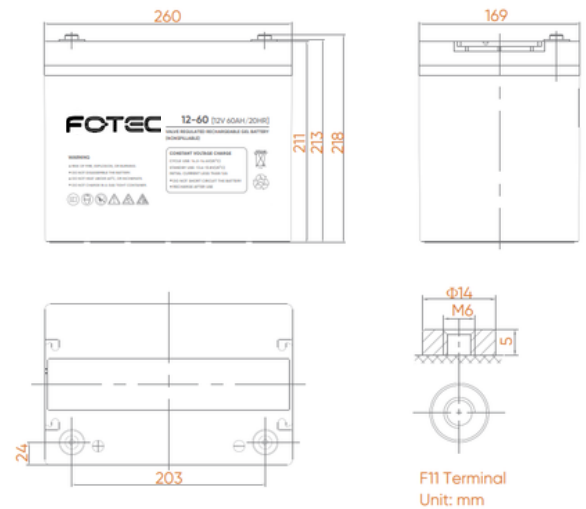
JB Deep Cycle 12V 60 Ah 43701010004

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 offers 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	60Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 20.5 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 8.5 mΩ
Terminal	F15(M6) / F11(M6)
Max. Discharge Current	600A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	12.0 A
Reference Capacity	C3: 40.8AH C5: 47.2AH C10: 52.6AH C20: 60.0AH
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
260±2mm (10.2 inches)

Width
169±2mm (6.65 inches)

Height
211±2mm (8.31 inches)

Total Height
218±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

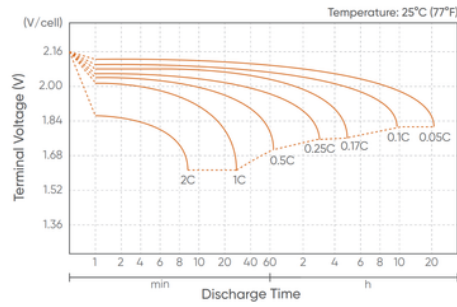
Constant Current Discharge Characteristics: A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	111.2	87.0	57.2	33.5	20.1	13.9	11.5	9.66	6.60	5.47	3.30
1.65V	105.8	85.2	56.3	33.4	19.9	13.8	11.4	9.60	6.54	5.42	3.18
1.70V	102.1	83.9	55.8	33.1	19.8	13.7	11.4	9.55	6.49	5.37	3.09
1.75V	95.32	80.8	55.9	32.8	19.6	13.6	11.3	9.43	6.44	5.31	3.00
1.80V	87.94	75.4	55.5	32.0	19.3	13.3	11.0	9.26	6.33	5.26	2.82
1.85V	79.51	68.4	52.4	30.4	18.4	12.7	10.5	8.86	6.06	5.10	2.70

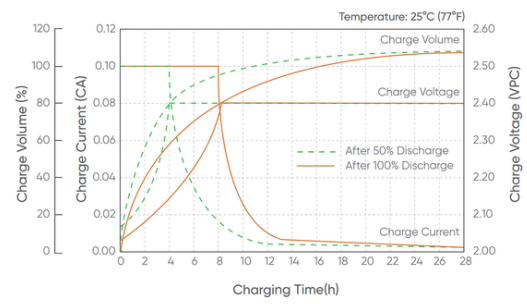
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	197	158	107	64.6	39.4	27.5	22.8	19.2	13.1	10.9	5.84
1.65V	191	156	106	64.4	39.2	27.5	22.8	19.2	13.1	10.8	5.73
1.70V	186	154	106	63.9	39.0	27.4	22.7	19.1	13.0	10.7	5.63
1.75V	176	148	106	63.4	38.7	27.3	22.5	18.9	12.9	10.6	5.52
1.80V	164	139	106	62.2	38.2	26.5	22.0	18.5	12.7	10.5	5.42
1.85V	150	126	100	59.5	36.8	25.4	20.9	17.7	12.1	10.2	5.10

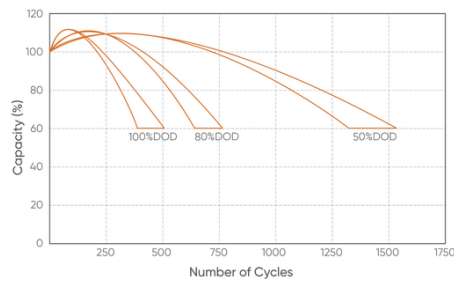
Discharge Characteristics Curve



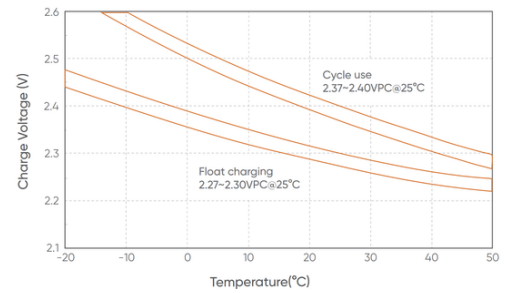
Charge Characteristic Curve for Cycle Use (IU)



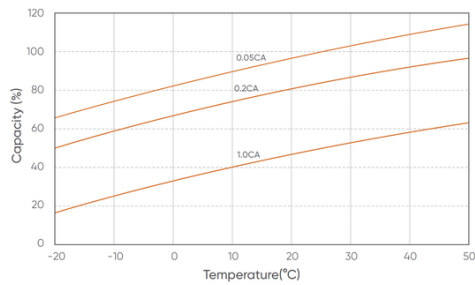
Discharge Characteristics Curve



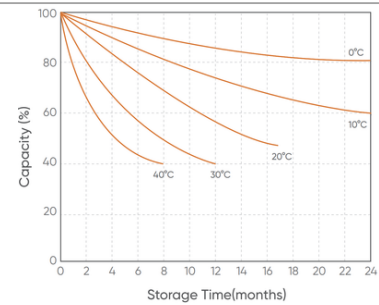
Charge Characteristic Curve for Cycle Use (IU)



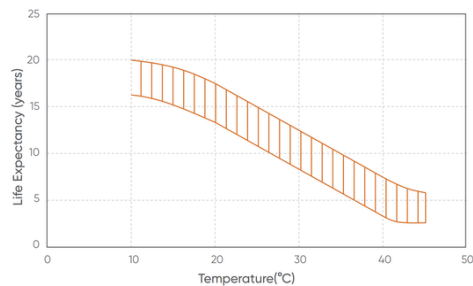
Discharge Characteristics Curve



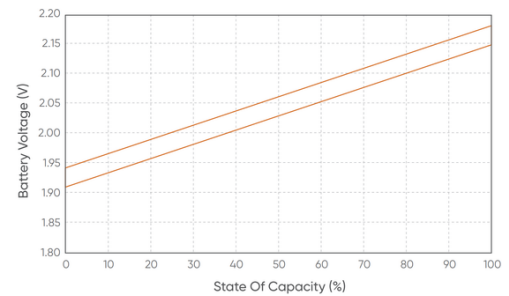
Charge Characteristic Curve for Cycle Use (IU)



Discharge Characteristics Curve



Charge Characteristic Curve for Cycle Use (IU)



PRODUCT AND PRODUCTION FACILITY CERTIFICATES



- EN IEC 61000-6-3:2021
- EN IEC 61000-6-1:2019
- EN 61000-3-32:13+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
- TS 50001:2018 GREEN IT
- TS 180001:2007 - OHSAS 18001



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

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