FOTEC

JB SERIES

JB Deep Cycle 12V 150 Ah

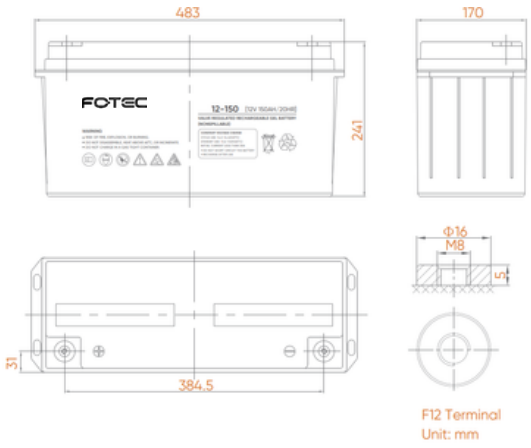
43701010013

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	150Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 44.5 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 6 mΩ
Terminal	F5(M8) / F12(M8)
Max. Discharge Current	1500A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	30.0 A
Reference Capacity	C3: 102.3AH C5: 113.5AH C10: 130.0AH C20: 150.0AH
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
483±2mm (19.0 inches)

Width
170±2mm (6.69 inches)

Height
241±2mm (9.49 inches)

Total Height
241±2mm (9.49 inches)

Terminal M5 Value
6-7 N*m

Terminal M6 Value
8-10 N*m

Terminal M8 Value
10-12 N*m

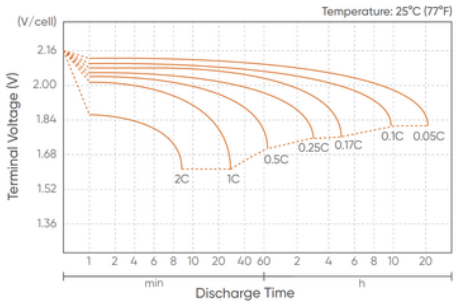
Constant Current Discharge Characteristics: A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	255.7	205.2	137.5	83.8	50.2	34.7	28.4	23.3	16.0	13.5	8.25
1.65V	243.3	201.0	136.4	83.5	49.8	34.5	28.3	23.1	15.9	13.4	7.95
1.70V	234.7	197.9	135.5	82.7	49.4	34.3	28.2	23.0	15.8	13.3	7.73
1.75V	219.1	190.6	133.4	81.9	49.0	34.1	27.9	22.7	15.6	13.2	7.50
1.80V	202.2	177.7	128.8	80.0	48.2	33.2	27.2	22.3	15.4	13.0	7.05
1.85V	182.8	161.3	121.8	76.0	46.0	31.8	25.9	21.3	14.7	12.6	6.75

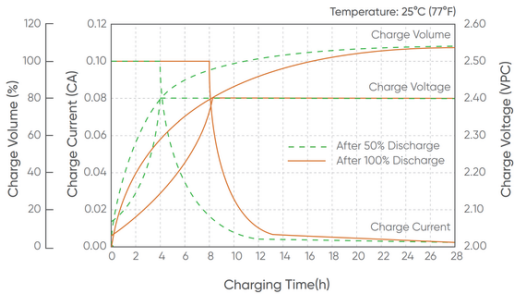
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	454	376	261	161	98.6	68.8	56.5	46.3	31.9	27.0	14.6
1.65V	440	370	258	161	98.0	68.8	56.4	46.1	31.7	26.8	14.3
1.70V	428	366	259	160	97.4	68.5	56.3	46.0	31.5	26.6	14.1
1.75V	404	353	255	158	96.7	68.2	55.7	45.4	31.3	26.3	13.8
1.80V	376	330	247	155	95.5	66.4	54.5	44.6	30.7	26.1	13.5
1.85V	344	301	234	149	92.0	63.5	51.8	42.7	29.4	25.3	12.7

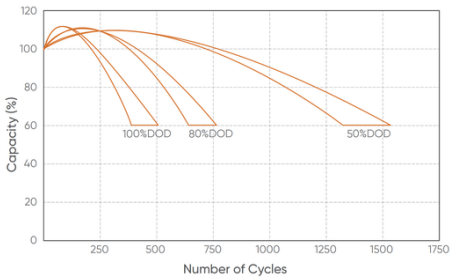
Discharge Characteristics Curve



Charge Characteristic Curve for Cycle Use (IU)



Discharge Characteristics Curve



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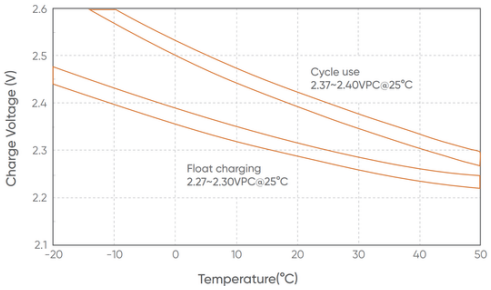
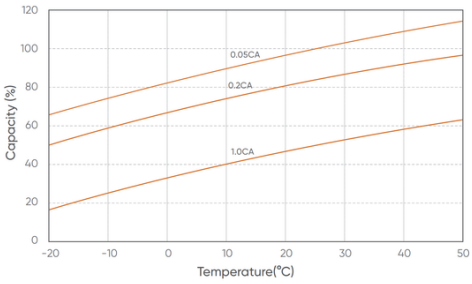


Discharge Characteristics Curve



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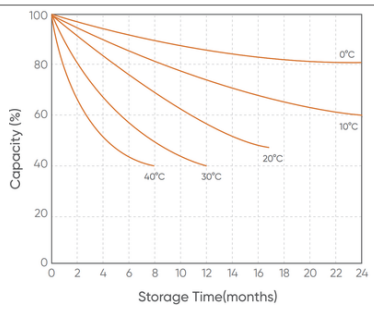
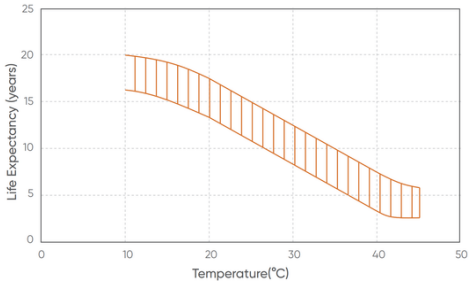
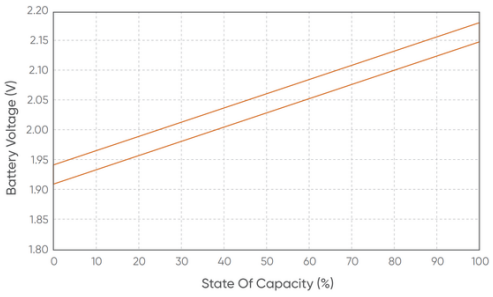


Discharge Characteristics Curve



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 61000-3-3:2*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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