

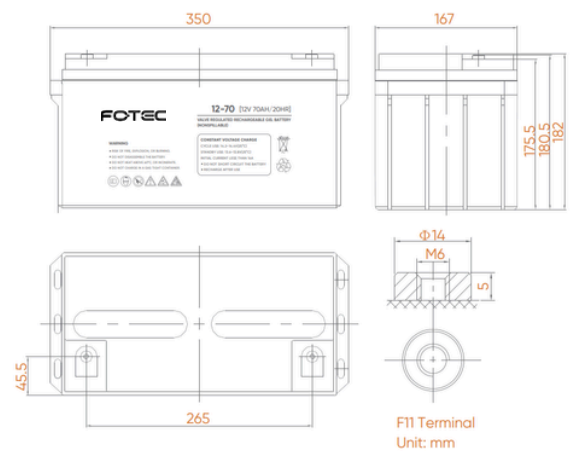
JB Deep Cycle 12V 70 Ah 43701010006

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	70Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 22.5 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 8 mΩ
Terminal	F5(M8) / F11(M6)
Max. Discharge Current	700A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	14.0 A
Reference Capacity	C3: 47.7AH C5: 55.0AH C10: 61.4AH C20: 70.0AH
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
350±2mm (13.8 inches)

Width
167±2mm (6.57 inches)

Height
182±2mm (7.17 inches)

Total Height
182±2mm (7.17 inches)

Terminal M5 Value
6~7 N*m

Terminal M6 Value
8~10 N*m

Terminal M8 Value
10~12 N*m

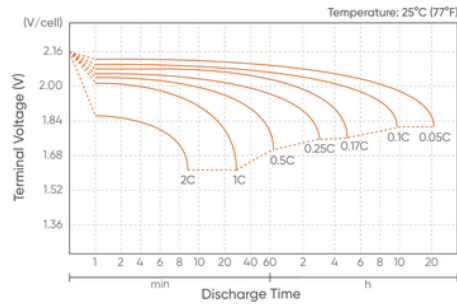
Constant Current Discharge Characteristics: A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	129.7	101.5	66.8	39.1	23.4	16.2	13.4	11.3	7.70	6.39	3.85
1.65V	123.5	99.4	65.7	38.9	23.2	16.1	13.3	11.2	7.64	6.32	3.71
1.70V	119.1	97.9	65.1	38.6	23.0	16.0	13.3	11.1	7.57	6.26	3.61
1.75V	111.2	94.3	65.2	38.2	22.9	15.9	13.1	11.0	7.51	6.20	3.50
1.80V	102.6	87.9	64.7	37.3	22.5	15.5	12.8	10.8	7.39	6.14	3.29
1.85V	92.8	79.8	61.2	35.5	21.5	14.8	12.2	10.3	7.07	5.96	3.15

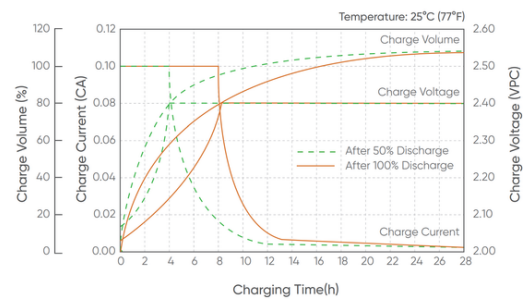
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	310.1	230	125	75.4	46.0	32.0	26.6	22.4	15.3	12.7	6.81
1.65V	298.6	223	123	75.2	45.7	32.1	26.6	22.4	15.2	12.6	6.69
1.70V	278.7	217	124	74.6	45.4	31.9	26.5	22.3	15.1	12.5	6.57
1.75V	259.3	205	124	73.9	45.1	31.8	26.3	22.0	15.0	12.4	6.44
1.80V	239.0	191	123	72.6	44.5	30.9	25.7	21.6	14.8	12.3	6.32
1.85V	189.6	175	117	69.5	42.9	29.6	24.4	20.7	14.1	11.9	5.95

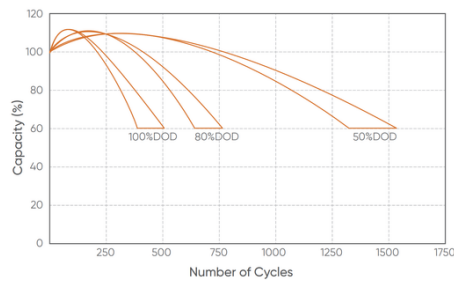
Discharge Characteristics Curve



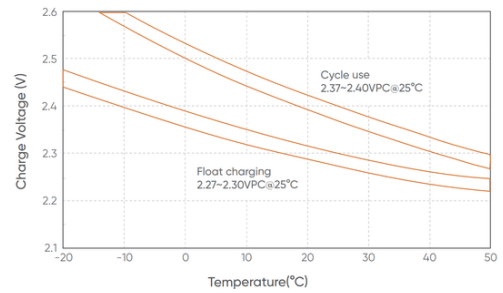
Charge Characteristic Curve for Cycle Use (IU)



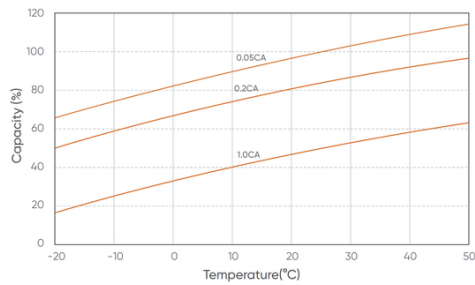
Discharge Characteristics Curve



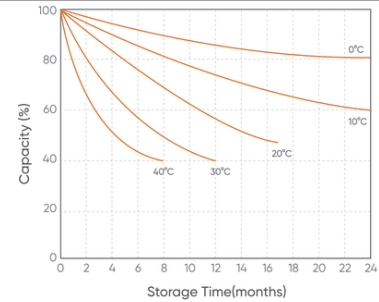
Charge Characteristic Curve for Cycle Use (IU)



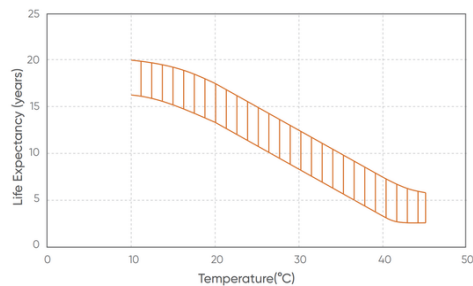
Discharge Characteristics Curve



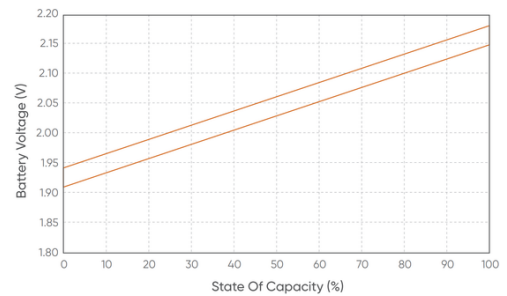
Charge Characteristic Curve for Cycle Use (IU)



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
- TSS0001:2018 GREEN IT
- TS180001:2007 - OHSAS 18001



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

Note: Technical data is subject to change without prior notice. Please ask FOTEC for the latest data sheets before using FOTEC products. FOTEC is not responsible for any damage to devices equipped with FOTEC products based on unverified information. Specifications in this data sheet are subject to change without prior notice. Not all features may be available in all markets. Fotec, Fotec PV™, Fotec EV™, Fotec MaXimus Cell™, Fotec RaiseUP™, Fotec Power Scada™ are all registered trademarks of Fotec Energy Technologies Inc. View warranty, patent and trademark information at fotec.com.tr/legal ©2022 Fotec Solar Technologies. All rights reserved. Fotec Energy Technologies