

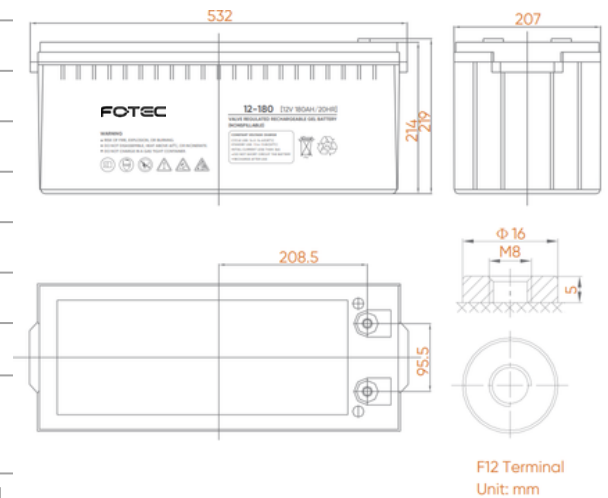
JB Deep Cycle 12V 180 Ah 43701010015

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	180Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx.53.0 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 5.5 mΩ
Terminal	F16(M8) / F12(M8)
Max. Discharge Current	1800A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	36.0 A
Reference Capacity	C3: 123.0AH C5: 136.5AH C10: 156.0AH C20: 180.0AH
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
532±2mm (20.9 inches)

Width
207±2mm (8.15 inches)

Height
214±2mm (8.43 inches)

Total Height
219±2mm (8.62 inches)

Terminal M5 Value
6-7 N*m

Terminal M6 Value
8-10 N*m

Terminal M8 Value
10-12 N*m

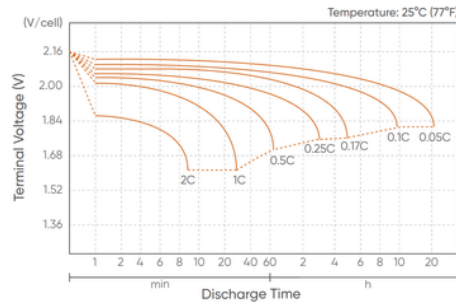
Constant Current Discharge Characteristics: A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	306.8	246.3	165.0	100.6	60.2	41.6	34.1	27.9	19.2	16.3	9.90
1.65V	291.9	241.2	163.6	100.2	59.8	41.5	33.9	27.8	19.1	16.1	9.54
1.70V	281.6	237.4	162.6	99.2	59.3	41.1	33.8	27.6	18.9	15.9	9.27
1.75V	263.0	228.7	160.1	98.3	58.8	41.0	33.5	27.3	18.8	15.8	9.00
1.80V	242.6	213.3	154.5	96.0	57.8	39.9	32.7	26.8	18.4	15.6	8.46
1.85V	219.3	193.5	146.1	91.2	55.2	38.1	31.1	25.6	17.7	15.2	8.10

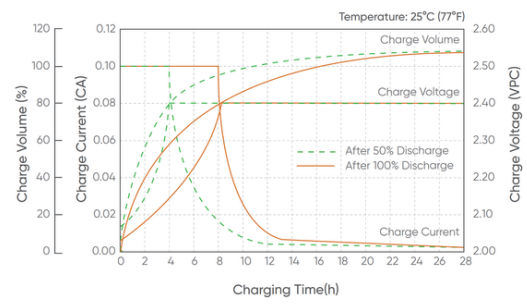
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	545	452	314	194	118	82.6	67.8	55.5	38.3	32.4	17.5
1.65V	528	444	310	193	118	82.6	67.7	55.4	38.1	32.2	17.2
1.70V	514	439	311	192	117	82.2	67.5	55.2	37.8	31.9	16.9
1.75V	484	424	307	190	116	81.9	66.9	54.5	37.5	31.6	16.6
1.80V	452	396	297	187	115	79.7	65.4	53.5	36.9	31.3	16.2
1.85V	413	361	281	179	110	76.2	62.2	51.2	35.3	30.3	15.3

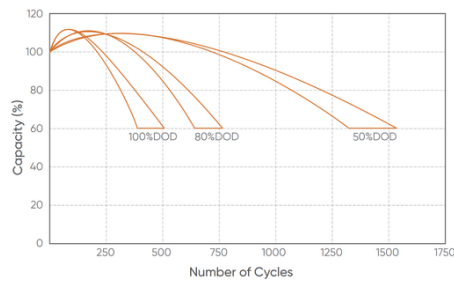
Discharge Characteristics Curve



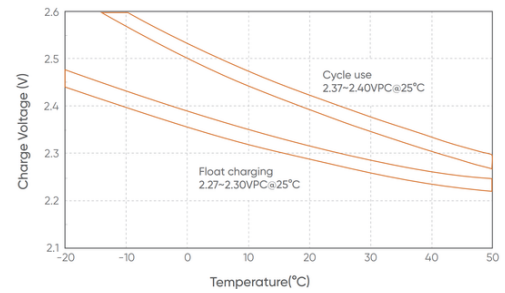
Charge Characteristic Curve for Cycle Use (IU)



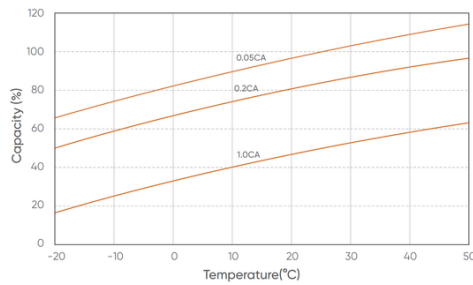
Discharge Characteristics Curve



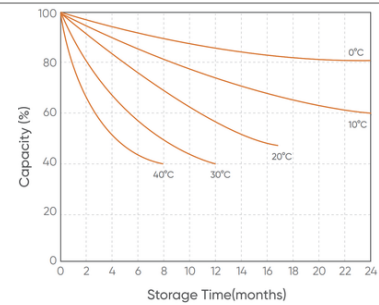
Charge Characteristic Curve for Cycle Use (IU)



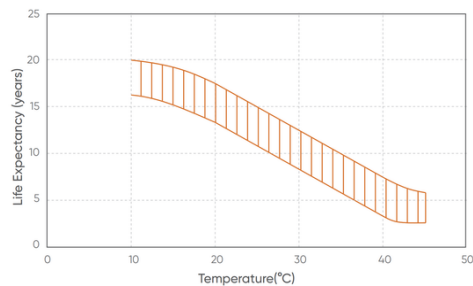
Discharge Characteristics Curve



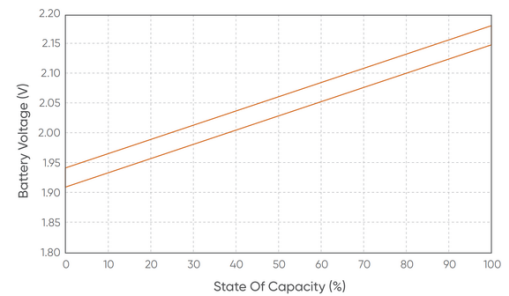
Charge Characteristic Curve for Cycle Use (IU)



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.

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