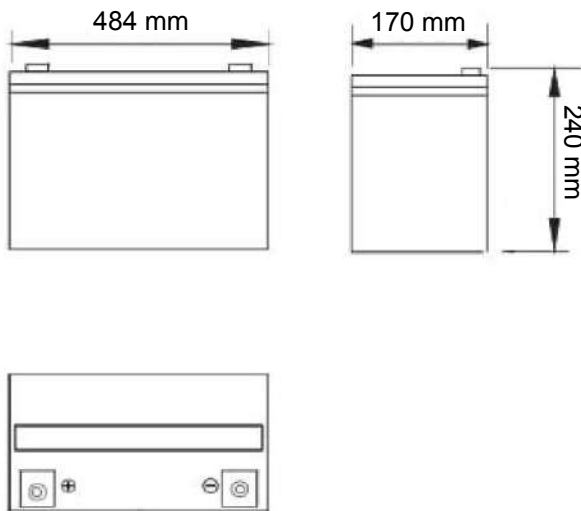


(VRLA) GEL Battery

Valve Regulated Lead Acid Battery

JXH 150-12G

Dimension



Specification

- ✂ Nominal Voltage : 12V
- ✂ Dimension
 - Length : 484 mm
 - Width : 170 mm
 - Overall Height : 240 mm
- ✂ Weight (Approx.) : 45 Kg
- ✂ Nominal Capacity : 150 AH / 20HR (25°C)
- ✂ Internal Resistance(Approx.) : < 4.5 mΩ
- ✂ Max. Charge current : 20A
- ✂ Float Charging : 2.27 ~ 2.28 vpc (25°C)
- ✂ Cycle Charging : 2.35 ~ 2.4 vpc (25°C)
- ✂ Terminal :
 - Top terminal : Bolt M8
- ✂ Operating Temperature Range
 - Discharging -15°C to 45°C
 - Charging -15°C to 45°C
 - Storage -15°C to 45°C
- ✂ Cyclic: 500-3000 charge/discharge (refer to cyclic curve)
- ✂ Expected float use life (20°C) : 10 Years
- ✂ Easy Maintenance
 - No electrolyte leakage
 - Ensure safe and efficient operation
- ✂ Container Material : ABS
- ✂ Applications :
 - UPS (Uninterruptible Power Supply),
 - Telecommunications, Emergency Lighting, Alarm
 - Systems, Solar Powered Systems, Alternative
 - Energy Storage, Solar Street Lights,
 - General Applications

Constant Current Discharge Characteristics Unit:A(25°C,77°F)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	327	252	151	92.7	54.8	39.5	31.5	26.9	18.5	15.3	8.09
9.90V	317	246	148	91.3	54.5	39.2	31.3	26.8	18.4	15.2	8.08
10.2V	304	237	143	89.0	54.0	39.0	31.1	26.6	18.3	15.2	8.05
10.5V	291	229	140	86.2	53.2	38.7	30.9	26.4	18.2	15.1	8.01
10.8V	275	217	135	83.4	51.8	37.5	30.3	25.6	17.6	15.0	7.95

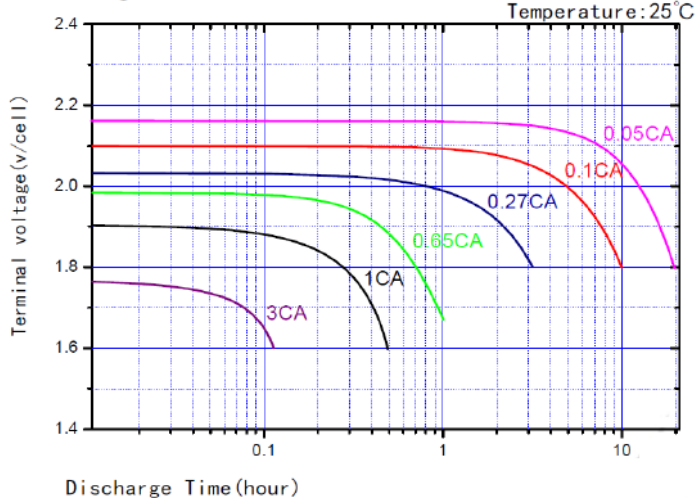
Constant Power Discharge Characteristics Unit:W(25°C,77°F)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	3532	2767	1691	1057	635	464	371	318	220	182	97.1
9.90V	3426	2701	1658	1041	631	461	368	316	219	182	96.9
10.2V	3284	2601	1607	1015	625	458	366	314	217	181	96.6
10.5V	3143	2512	1568	983	616	455	363	312	216	180	96.1
10.8V	2967	2380	1510	951	600	441	352	303	209	179	95.4

Note: The above characteristics data can be obtained within three charge or discharge cycles.

Characteristics

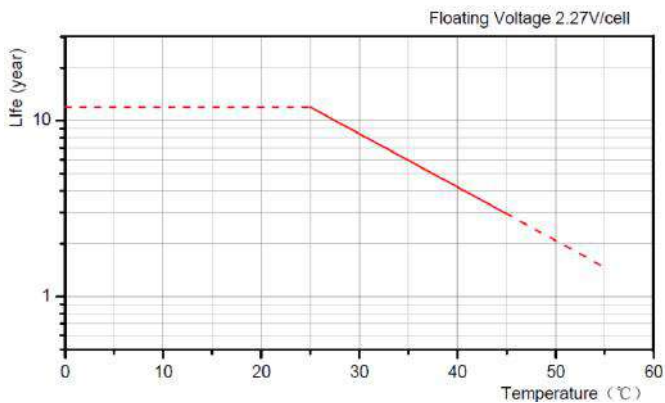
Discharge characteristics at each hour rate



Battery Float Charging (Temperature compensation)

Temperature °C	Float Charge Volt/Cell
5	2.31
10	2.29
15	2.28
20	2.27
25	2.27
30	2.25
35	2.23

LIFE TIME VS TEMPERATURE



DISCHARGE DEPTH VS CYCLE TIME CURVE

