KBL12260 *12V 26Ah(10hr) - LONG LIFE*

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

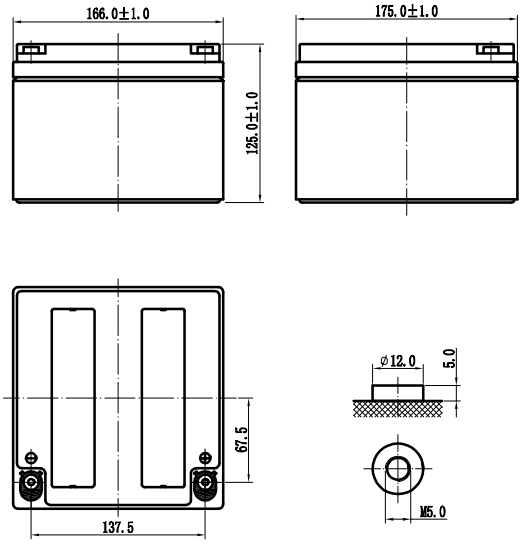
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Pb	Fiberglass	Sulfuric acid

General Features

Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
UL-recognized component.
Can be mounted in any orientation.
Computer designed lead, calcium tin alloy grid for high power density.
Long service life, float or cyclic applications.
Maintenance-free operation.
Low self discharge.

Dimensions and Weight

Length(mm / inch) ..... 165 / 6.50
Height(mm / inch) ..... 125 / 4.92
Width(mm / inch) Total ..... 175 / 6.89
Height(mm / inch) ..... 182 / 7.17
Approx. Weight(Kg / lbs) ..... 9.75 / 21.5



Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 10 years
Nominal Capacity 77ºF(25ºC)
- 20 hour rate (1.4A, 10.5V) 28Ah
- 10 hour rate (2.65A, 10.5V) 26.5Ah
- 5 hour rate (4.8A, 10.5V) 24Ah
- 1 hour rate (19.6A, 9.6V) 19.6Ah

Internal Resistance
- Fully Charged battery 77ºF(25ºC) 11mOhms

Self-Discharge
- 3% of capacity declined per month at 20ºC(average)

Operating Temperature Range
- Discharge ..... -20~60ºC
- Charge ..... -10~60ºC
- Storage ..... -20~60ºC

Max. Discharge Current 77ºF(25ºC) ..... 310A(5s)
Short Circuit Current 1400A
Charge Methods: Constant Voltage Charge 77ºF(25ºC)
- Cycle use 14.5-14.9V
  - Maximum charging current 11.2A
  - Temperature compensation ..... -30mV/ºC
- Standby use 13.6-13.8V
  - Temperature compensation ..... -20mV/ºC

Discharge Constant Current (Amperes at 77ºF25ºC)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	112	73.0	55.0	32.0	19.6	8.02	5.20	2.81	1.45
1.65V	106	69.5	52.6	30.7	18.9	7.77	5.08	2.77	1.44
1.70V	100	65.9	50.1	29.4	18.1	7.50	4.95	2.71	1.42
1.75V	93.9	62.2	47.5	28.0	17.3	7.20	4.80	2.65	1.40
1.80V	87.6	58.5	44.8	26.5	16.5	6.88	4.63	2.58	1.38

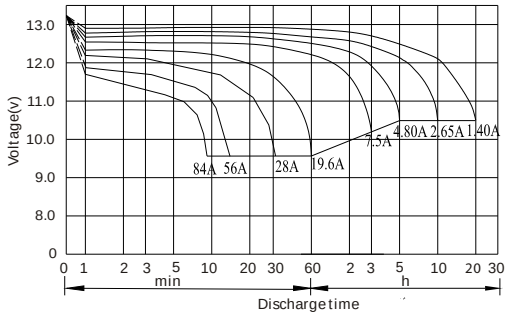
Discharge Constant Power (Watts at 77ºF25ºC)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	208	135	105	61.7	46.7	36.7	24.0	16.0	10.4
1.65V	195	127	99.3	58.6	44.5	35.1	23.3	15.6	10.2
1.70V	183	119	93.6	55.4	42.3	33.5	22.5	15.2	10.0
1.75V	170	111	87.8	52.2	40.0	31.8	21.6	14.4	9.9
1.80V	157	104	82.0	49.0	37.7	30.1	20.7	13.8	9.8

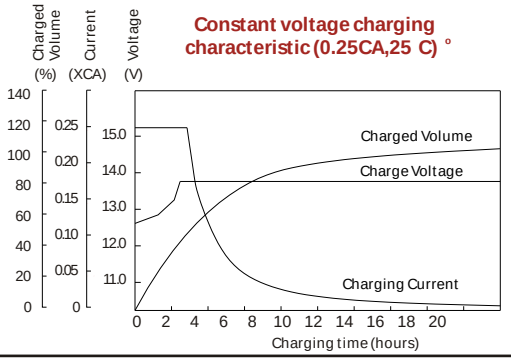
(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

KBL12260 12V26Ah - LONG LIFE

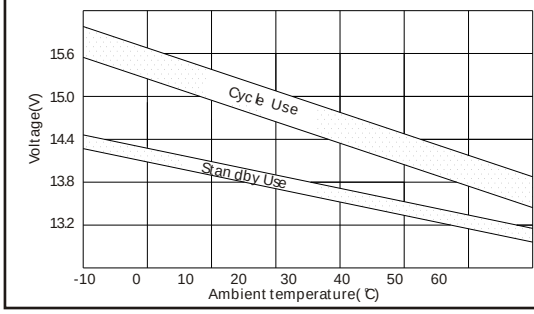
Discharge characteristic (25 C) °



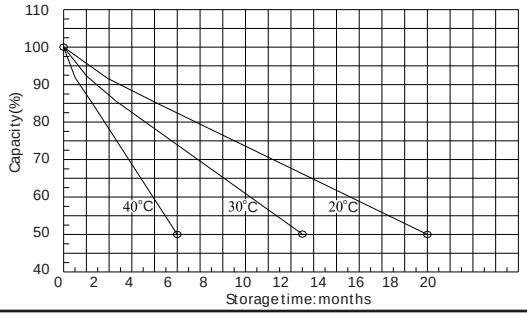
Constant voltage charging characteristic (0.25CA,25 C) °



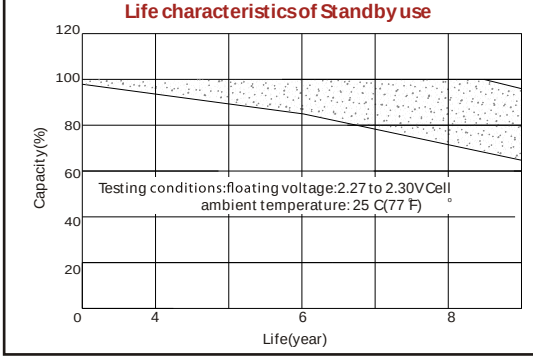
Relationship between charging voltage and temperature



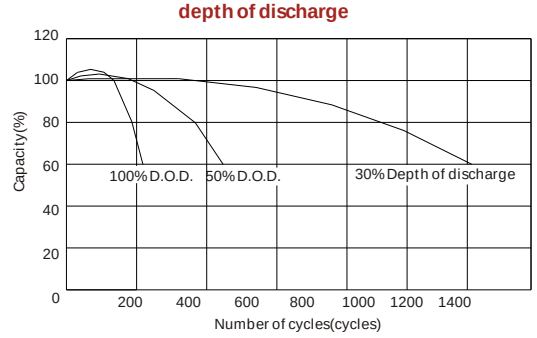
Self-discharge characteristic



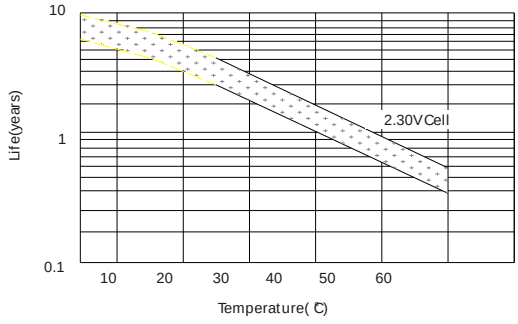
Life characteristics of Standby use



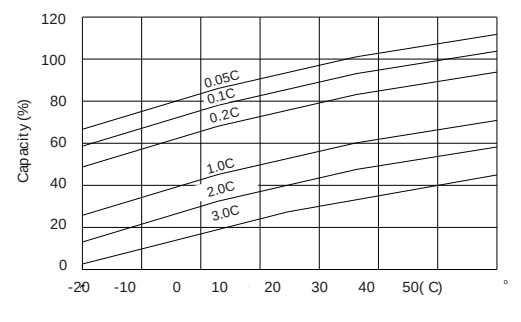
Cycle service life in relation to depth of discharge



Temperature effects on float life



Temperature effects on capacity



ISO9001:2000 MH25860 G4M19906-9202-E-16