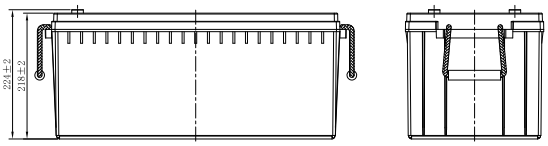
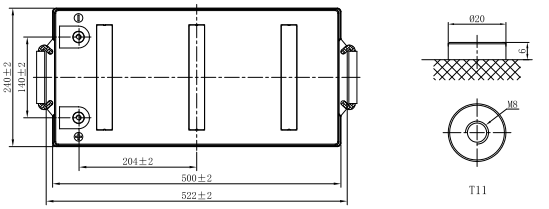
KBL122000-M8 12V 200Ah





CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Capacity (25˚C)	C_{10},1.80V/cell	200Ah
Dimension	Length	522mm (20.6inches)
	Width	240mm (9.45inches)
	Container Height	218mm (8.58inches)
	Total Height	224mm (8.82inches)
Approx Weight		62.3kg (137.3lbs)
Terminal		T11(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		3600A
Internal Resistance (25˚C)		Approx 3.2 mΩ (Fully charged)
Operating Temp. Range	Discharge	-15~50˚C (5~122°F)
	Charge	-20~40˚C (-4~104°F)
	Storage	-15~40˚C (5~104°F)
Nominal Operating Temp. Range		25±3˚C (77±5°F)
Max.Charging Current (25˚C)		0.3C
Charge voltage (25˚C)	Float Charge	Equalization Charge
	2.25-2.30V/cell	2.35-2.40V/cell
Temp. Coeffcient	-3mV/cell/˚C	-5mV/cell/˚C
Effect of temp. to Capacity	40˚C (104°F)	103%
	25˚C (77°F)	100%
	0˚C (32°F)	86%
Self Discharge	≤3% per month at 25°C (77°F). KBL series batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	281.1	243.7	200.7	157.7	117.8	101.8	63.3	46.4	36.4	31.6	27.9	21.4	19.1	10.1
1.80V/cell	319.1	276.2	224.0	171.7	124.8	105.5	65.4	50.4	38.9	33.3	29.9	22.6	20.0	10.5
1.75V/cell	346.0	299.0	237.1	175.2	129.3	110.7	68.8	51.4	39.6	33.9	30.2	22.7	20.2	10.6
1.70V/cell	368.9	317.6	248.2	178.7	131.9	112.9	70.2	52.4	40.3	34.4	30.3	23.0	20.4	10.7
1.67V/cell	380.6	326.8	254.1	181.3	133.8	114.6	71.2	52.9	40.9	35.1	30.5	23.3	20.7	10.8
1.60V/cell	393.6	337.0	260.5	183.9	135.7	116.2	72.3	53.4	41.4	35.6	30.7	23.6	20.9	11.0

Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	528.8	461.4	381.4	301.3	226.4	197.0	123.2	90.8	71.5	62.3	55.1	42.5	38.0	20.2
1.80V/cell	591.5	516.2	420.9	325.5	238.3	202.9	126.6	98.0	76.0	65.2	58.9	44.6	39.7	20.9
1.75V/cell	631.3	550.9	440.3	329.6	245.5	212.0	132.7	99.7	77.2	66.2	59.2	44.7	40.1	21.1
1.70V/cell	663.7	579.1	456.3	333.4	248.6	215.1	134.8	101.2	78.2	67.1	59.4	45.4	40.4	21.3
1.67V/cell	674.5	588.6	462.2	335.7	250.9	217.0	136.2	101.8	79.2	68.2	59.5	45.9	40.9	21.5
1.60V/cell	683.9	596.8	467.0	337.2	252.1	218.6	137.3	102.2	79.7	68.9	59.8	46.4	41.3	21.7

KBL122000-M8 12V 200Ah

APPLICATIONS

- UPS and EPS
- Emergency light
- Railway signal and aircraft signal system
- Marine and power stations
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply, DC power supply

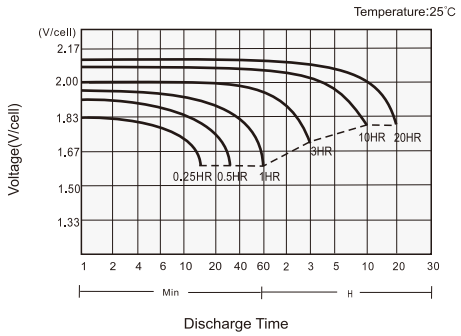
GENERAL FEATURES

- 12 years design life (25˚C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

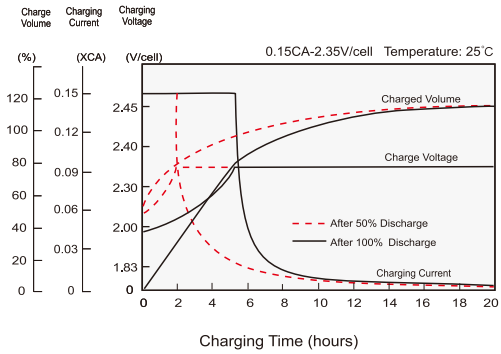
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL,CE Approved
- Manufactured under ISO 45001, ISO 9001, and ISO 14001 standards.

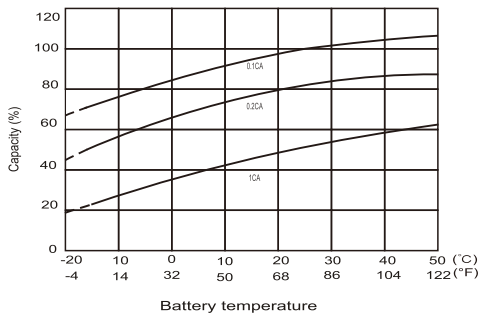
Discharge Characteristics



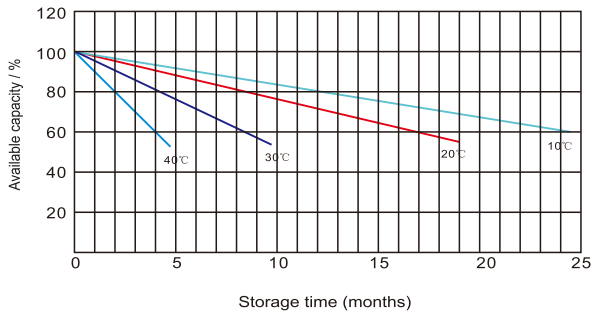
Charging Characteristics



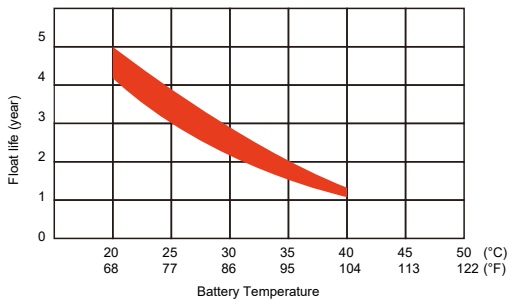
Effects of Temperature on Capacity



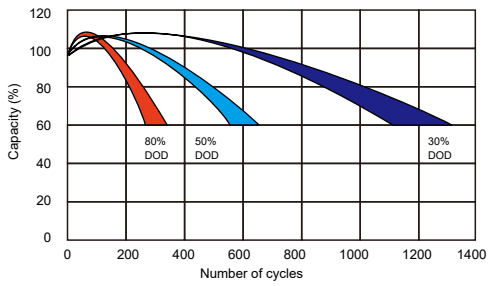
Self Discharge Characteristics



Float service life



Cycle Service Life in relation to the Depth of discharge



TEMPEL GROUP COLOMBIA
tempelgroup.co
bogota@tempelgroup.com
Tel. +571 7451948

Tempel Group en el mundo
BARCELONA · MADRID · VALENCIA · BILBAO · SEVILLA · LISBOA · PORTO
BUENOS AIRES · LIMA · SÃO PAULO · SANTIAGO DE CHILE · BOGOTÁ
CIUDAD DE MÉXICO · CIUDAD DE PANAMÁ · MONTEVIDEO · QUITO