KBL122000 12V 200Ah

Overview

The KAISE LONG LIFE Series 10 years has been designed for different applications, such as UPS, electric and telecommunications applications that require a long useful life.

Features

UPS
Telecomunications equipment Solar energy systems Cable TV
Power station
Marine equipment
Military equipment
Emergency power systems
Railway systems

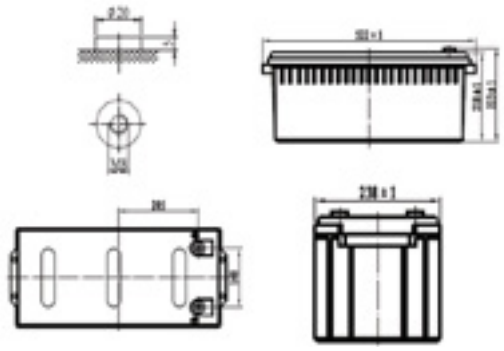
Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12
Nominal Capacity /Ah (25º C, 0.2C)	200
Mechanical characteristics	
Weight (Kg/lbs)	59.1 / 130
Dimension L*W*H /mm	522*238*218
Terminal	F12
Electrical characteristics	
Voltage window/V	1.60
Float charge voltage/V	2.20 / 2.28
Max. continue discharge current/A	10.50
Max. permanent discharge current/A	1000 (5Sec)
Max. continue charge current/A	60
Operating conditions	
Cycle life (+20ºC 0.2C 100%DOD)	>1200 Cycles
Operating temperature	Discharge - 20ºC to 60ºC Charge -10ºC to 60ºC
Storage temperature	-20 to 60ºC
Storage duration	6 months
Safety standard	25ºC

Certifications

ISO 9001:2008 ISO 14001:2008

Terminal



Image

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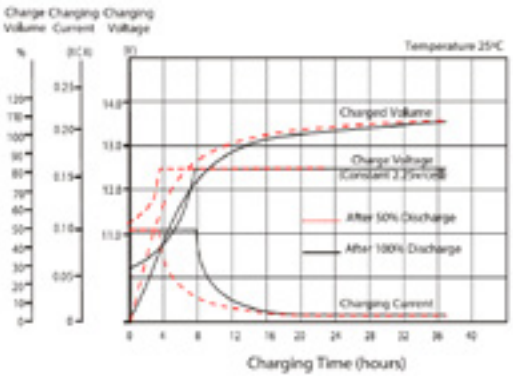
Discharge Constant Current (Amperes) at 77ºF (25ºC)

Volts/ cells	10min	15min	30min	1h	3h	5h	10h	20h
1.80V	250	168	168	117	45.7	33.9	20.0	10.50
1.75V	269	175	175	120	47.1	34.7	20.4	10.55
1.70V	288	181	181	123	48.2	35.4	20.7	10.60
1.65V	308	175	188	126	47.1	36.2	20.9	10.65
1.60V	327	168	196	129	45.7	36.9	21.1	10.70

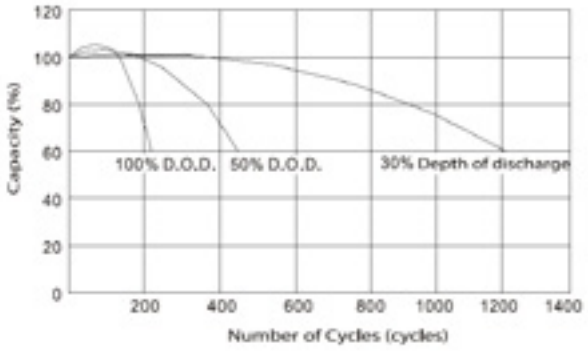
Discharge Constant Power (Watts per cell) at 77ºF (25ºC)

Volts/ cells	10min	15min	30min	1h	2h	3h	5h
1.80V	358	370	227	145	72.9	53.2	38.1
1.75V	383	358	220	143	73.6	54.1	37.9
1.70V	404	346	213	141	75.0	54.8	37.6
1.65V	426	334	206	137	76.4	55.4	37.9
1.60V	449	322	199	133	77.8	56.1	38.1

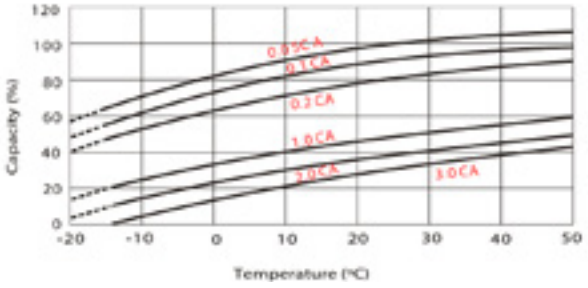
Charging Characteristics (float use)



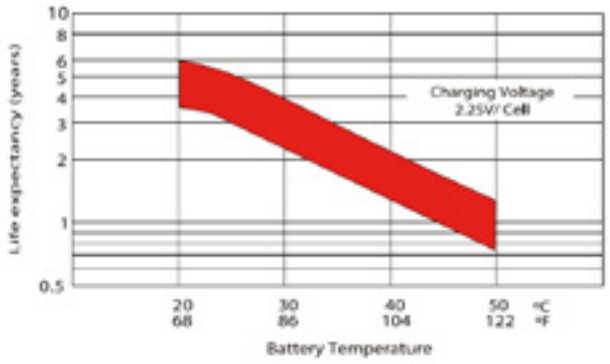
Cycle Life in Relation to Depth of Discharge



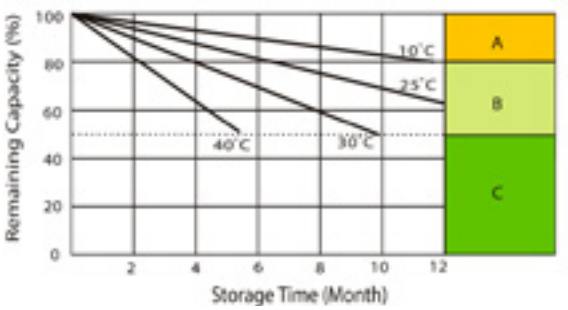
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Self Discharge Characteristics



A No supplementary charge required
(carrry out supplementary charge before use if 100% capacity is required)
Supplementary charge required before use . Optional charging way a below:

B
1. Charged for above 3 days at limited current 0.25 CA and constant voltage 2.25V / cell.
2. Charged fo above 20 hours limited current 0.25CA and constant voltage 2.45V / cell.
3. Charged for 8-10 hours ar limited current 0.05 CA.

C Supplementary charge often fail to recover the capacity. The battery should never be left standing till this is reached.

2018/V1/N

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