KBL122500 12V 250Ah

Kaise Battery series are Top terminal VRLA AGM battery for General use. With advanced manufacturing technique and industry scale, KBL series delivers high energy density and high reliability performance, highly suited for UPS systems, security and alarm systems, telecommunication, utilities, emergency light systems, CATV and other backup applications.

12 V voltage | 250Ah capacity | AGM tech | 10 years design life

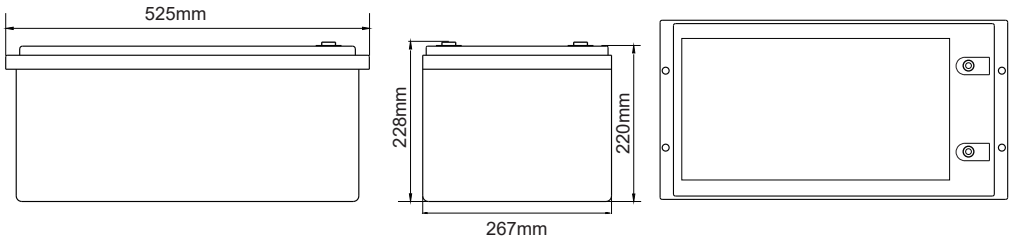
Technical Specifications

Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (25°C)	10 Years
Nominal Capacity (25°C)	250 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L525 x W267 x H220 x TH228
Approx. Weight	66 kg (145.5 lbs)
Terminal Type	Female Copper Insert M8 (torque: 10~12Nm)
Internal Resistance	Approx. 0.0026 Ohm (fully charged @ 20°C)
Max. Charge Current	62.5A
Max. Discharge Current (5S)	1800A
Short Circuit Current	4600A
Self Discharge	Approx. 2.5% per month @ 20°C
Ambient Temperature	Discharge: -20~55°C Charge: -20~50°C Storage: -20~45°C
Float Charge Voltage	13.6V/block @25°C (-3mV/cell/ C)
Equalize and cycle Use Charge Voltage	14.4V/block @25°C
Container Material	ABS (UL94-V0 optional)

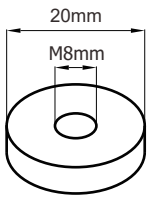
Complied standards

- IEC 60896-21/22
- GB/T19638
- JIS C8704
- BS6290 part 4

Battery Dimensions



TERMINAL DIMENSION



Constant Current Discharge Characteristics: Amps (25°C)

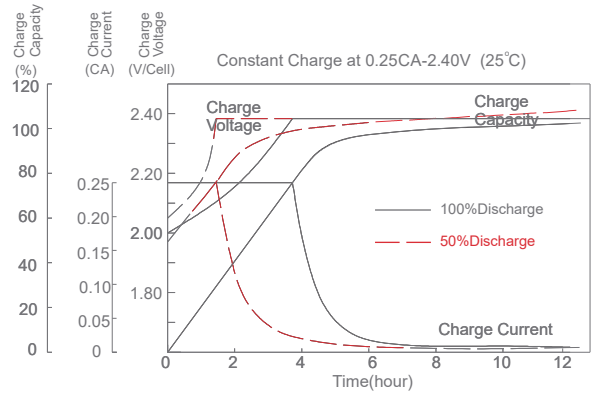
F.V/Time	10min	15min	30min	1h	3h	4h	5h	10h	20h
1.60 V	494	422	273	165	70.1	55.9	46.6	26.2	14.2
1.67 V	455	397	261	161	69.3	55.1	45.9	25.9	13.9
1.70 V	414	375	251	157	68.5	54.6	45.5	25.6	13.5
1.75 V	384	348	243	154	67.4	54.1	44.9	25.2	13.3
1.80 V	349	325	232	149	66.1	52.8	44.0	25.0	13.0
1.85 V	315	296	219	143	64.0	51.3	42.9	24.2	12.7

Constant Power Discharge Characteristics: W/Cell (25°C)

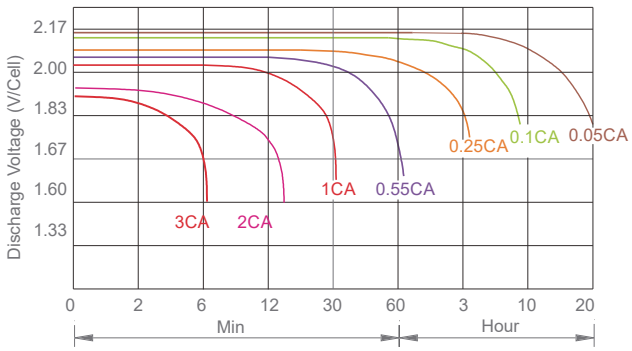
F.V/Time	10min	15min	30min	1h	3h	4h	5h	10h	20h
1.60 V	888	768	505	309	133	106	88.7	50.7	27.4
1.67 V	828	730	485	302	132	105	88.2	50.4	27.0
1.70 V	759	696	470	297	131	104	88.0	50.1	26.6
1.75 V	714	652	458	294	130	103	87.6	49.8	26.2
1.80 V	656	615	442	286	129	101	86.2	49.2	25.9
1.85 V	598	565	421	277	126	99	84.8	48.2	25.5

KBL122500 12V 250Ah

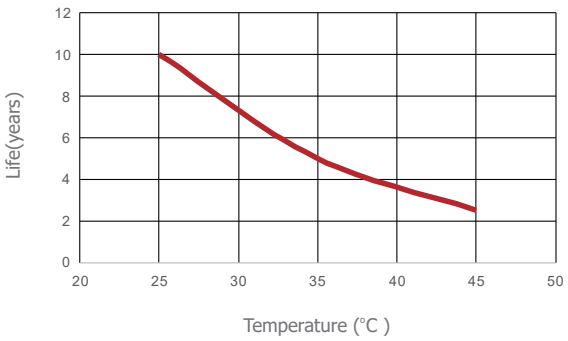
Charge Characteristic



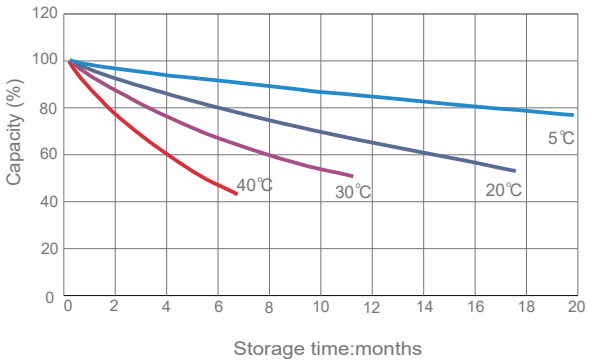
Discharge Characteristic (25°C)



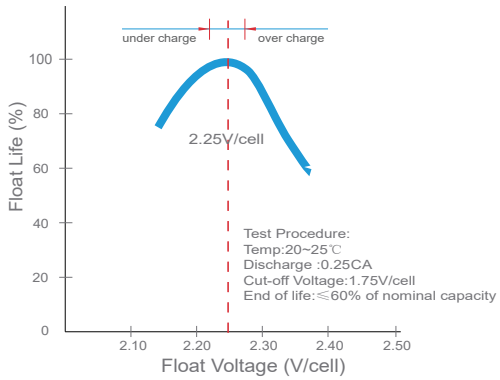
Temperature vs Float Life



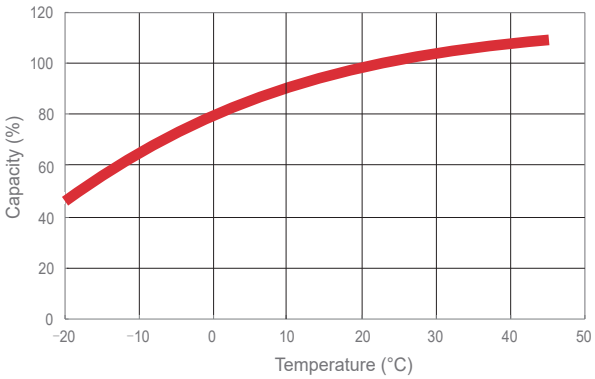
Self discharge characteristics



Float voltage vs Float life



Capacity vs Temperature



Final voltage settings recommended according to the discharge current

Discharge Current I (A)	I ⩽ 0.08C	0.08C ⩽ I < 0.2C	0.2C ⩽ I < 0.6C	0.6C ⩽ I < 1.0C	I ⩾ 1.0C
Final of Voltage	⩾ 1.85Vpc	⩾ 1.80Vpc	⩾ 1.75Vpc	⩾ 1.70Vpc	⩾ 1.60Vpc

TEMPEL GROUP ARGENTINA
baires@tempelgroup.com
Tel.+54 11 48977184 / 7178

TEMPEL GROUP CHILE
venta.cl@tempelgroup.com
Tel.+56 2 32036670

TEMPEL GROUP PERÚ
lima@tempelgroup.com
Tel.+51 12 719445

TEMPEL GROUP URUGUAY
montevideo@tempelgroup.com
Tel.+598 2924 7240