

KBLC122000 12V 200Ah



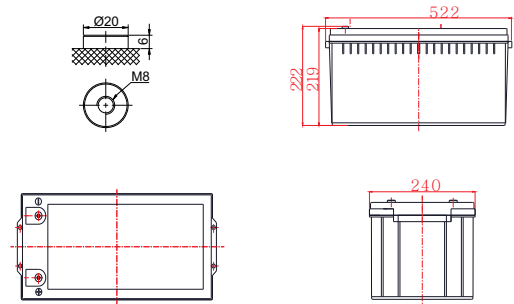
The Kaise Lead Carbon Range provide not only high energy density but also high power, fast charge and discharge and longer life cycle in partial charge cycle (PSOC) applications. It is suitable for renewable energy, solar and wind power, as well as for energy storage systems (Energy Storage), among others.



Performance Characteristics

Nominal Voltage	12V	
Dimensions	Length (mm / inch)	522 / 20.6
	Width (mm / inch)	240 / 9.45
	Height (mm / inch)	219 / 8.62
	Total Height (mm / inch)	222 / 8.74
Approx. Weight	(Kg / lbs)	61.5 / 136
Design Life	15 years	
Terminal	M8	
Container Material	A.B.S.	
Rated Capacity	200 Ah / 20.0 A	(10hr, 1.80V/c, 25°C / 77°F)
	184 Ah / 36.8 A	(5hr, 1.75V/c, 25°C / 77°F)
	135 Ah / 135 A	(1hr, 1.65V/c, 25°C / 77°F)
Max. Discharge Current	2400A (5s)	
Internal Resistance	Full charged at 25°C: 3.30mΩ	
Operating Temp. Range	Discharge : -20 ~ 60°C (-4~ 140°F)	
	Charge : -20 ~50°C(-4~ 122°F)	
	Storage : -20 ~50°C(-4~ 122°F)	
Charge Method (25 °C)	Charge current: Max. 60.0A ; Recom.20.0~40.0A	
	Float Charge:13.5-13.8V,recom.13.8V(-18mV/ °C)	
	Equalize charge:13.8-14.1V,recom.14.1V(-24mV/ °C)	
	Cycle charge:14.4-15.0V,recom.14.7V(-30mV/ °C)	
Self Discharge	Fully charged Kaise Lead Carbon batteries may be stored for 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.	

Dimensions and Terminal (Unit: mm (inches))



Applications

Home Energy Storage Systems
Hybrid Power Supply Systems
Renewable Energy Storage, Solar and Wind
Grid frequency adjustment energy storage system
Solar Street Lighting

Certifications

ISO 9001 / ISO 14001



Discharge Current vs. Discharge Voltage

Final discharge voltage V/CELL	1.8	1.75	1.7	1.6
Discharge current (A)	$I \leq 0.1CA$	$0.25CA \geq I > 0.1CA$	$0.55CA \geq I > 0.25CA$	$I > 0.55CA$

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

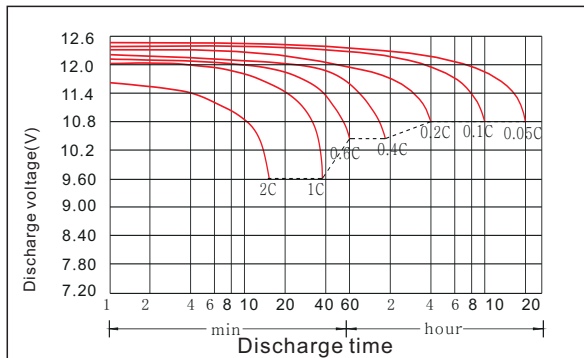
Volts/cell	15min	30min	1h	5h	8h	10h	20h
1.80V	330	216	129	35.8	24.2	20.0	10.8
1.75V	354	224	132	36.8	24.4	20.4	10.9
1.70V	366	226	134	37.2	24.6	20.6	10.9
1.65V	374	230	135	37.6	24.8	20.8	11.0
1.60V	386	234	136	38.0	25.0	21.0	11.0

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

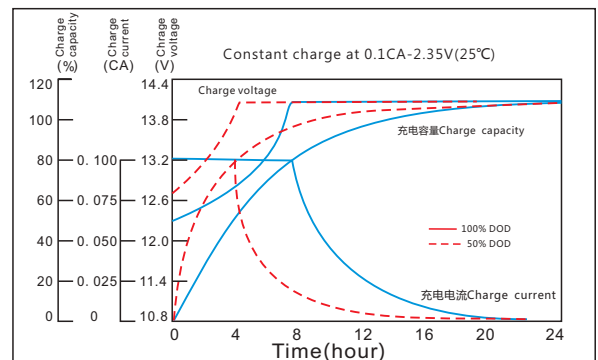
Volts/cell	15min	30min	1h	5h	8h	10h	20h
1.80V	620	410	250	69.8	47.0	38.8	21.4
1.75V	656	420	252	70.6	47.4	39.2	21.6
1.70V	660	422	254	71.0	47.8	39.6	21.6
1.65V	668	422	256	71.6	48.0	40.0	21.8
1.60V	680	426	258	72.0	48.4	40.4	21.8

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

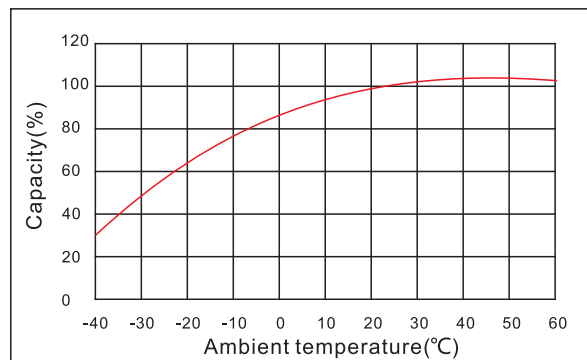
Discharge Characteristics Curve



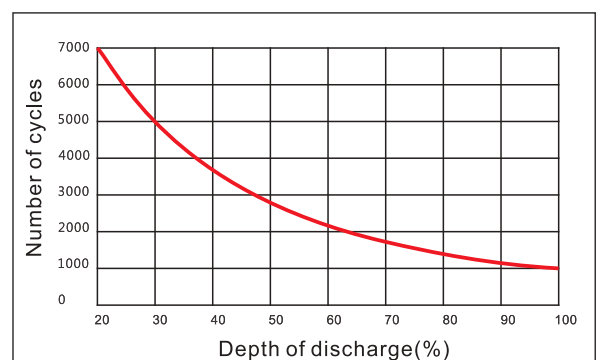
Charge Characteristic Curve



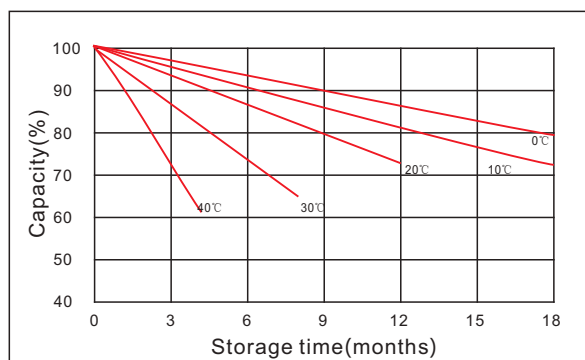
The effect of temperature on capacity



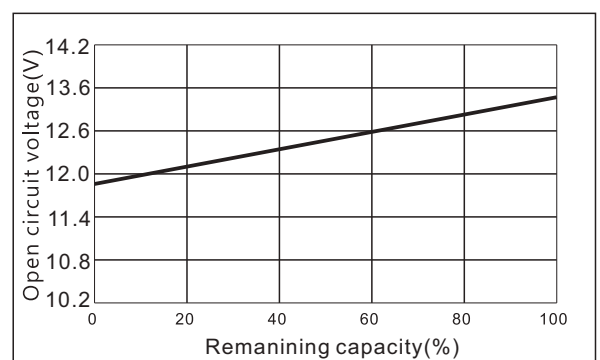
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of discharge depth on cycle life



IMPORTANT NOTE: The specifications presented herein are subject to revision without notice.

