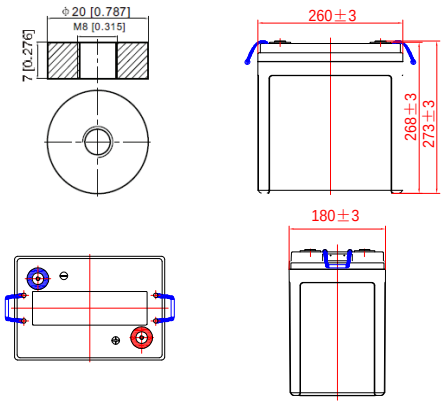
KB200EV 6V 200Ah C_3

The Electric Vehicle batteries were developed based on a specialized grid as well as active material. These batteries have anchored plates and a high impact reinforced polypropylene case which can withstand the most extreme environments and vibrations. The KB EV series is constituted of batteries of several different sizes so that they may be used for many different applications. The KB EV series uses dry cell technology that allows for a superior performance and an unparalleled quality and reliability. Through the use of the dry cell technology this series was designed for sensitive environments that require improved life cycles for commercial, industrial, residential and private applications. Without any need for maintenance and with an advanced construction the EV series is an excellent option for many applications.

Performance Characteristics

Nominal Voltage	6V	
Dimensions	Length (mm / inch)	260 / 10.2
	Width (mm / inch)	180 / 7.08
	Height (mm / inch)	268 / 10.6
	Total Height (mm / inch)	273 / 10.7
Approx. Weight	(Kg / lbs)	32.5 / 71.6
Design Life	5 years	
Terminal	M8	
Container Material	ABS	
Rated Capacity	230 Ah / 23.0 A	(10hr, 1.75V / cell, 20°C / 77°F)
	201 Ah /67.0 A	(3hr, 1.75V / cell, 20°C / 77°F)
	178 Ah / 178 A	(1hr, 1.65V / cell, 20°C / 77°F)
Operating Temp. Range	Discharge : -20 ~ 50°C (-4 ~ 122°F)	
	Charge : -20 ~ 50°C (-4 ~ 122°F)	
	Storage : -20 ~ 50°C (-4 ~ 122°F)	
Cycle Use	Initial Charging Current less than 33A.0	
	Voltage: 7.20V ~ 7.50V at 20°C (68°F)	
Standby Use	Initial Charging Current less than 33.0A	
	Voltage: 6.75 ~ 6.90V at 20°C (68°F)	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Fully charged Kaise Electric Vehicle 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

Electric wheelchair
Electric vehicle / golf car
Electric toys
Renewable energies
Marine equipment

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 ≤ 0,1CA	0.25CA ≥ I > 0.1CA	0.55CA ≥ I > 0.25CA	I > 0.55CA

Constant Current Discharge (Amperes) at 77°F (20°C)

Volts/cell	30min	1h	2h	3h	5h	8h	10h	20h
1.80V	276	170	88.4	66.7	42.9	27.3	22.8	12.4
1.75V	288	174	90.0	67.0	44.0	27.3	23.0	12.5
1.70V	290	177	91.3	67.8	44.5	27.6	23.2	12.6
1.65V	296	178	92.1	68.9	45.1	27.8	23.5	12.6
1.60V	302	179	92.7	69.5	45.3	28.1	23.7	12.7

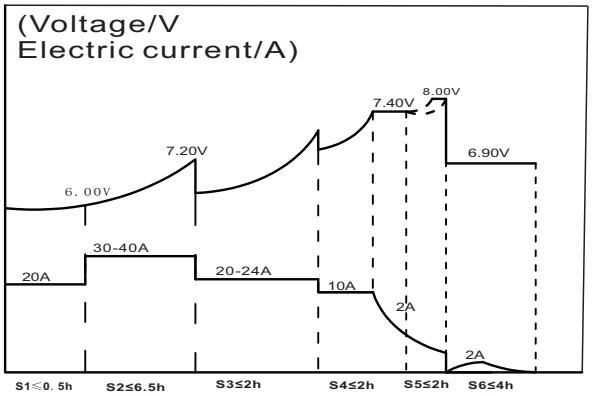
Constant Power Discharge (Watts per cell) at 77°F (20°C)

Volts/cell	30min	1h	2h	3h	5h	8h	10h	20h
1.80V	523	328	172	129	83.4	53.1	43.8	24.6
1.75V	537	331	173	129	84.5	53.6	44.3	24.8
1.70V	540	334	174	130	85.0	53.9	44.5	24.9
1.65V	540	337	174	131	85.6	54.1	45.0	25.0
1.60V	546	340	175	132	86.1	54.7	45.5	25.1

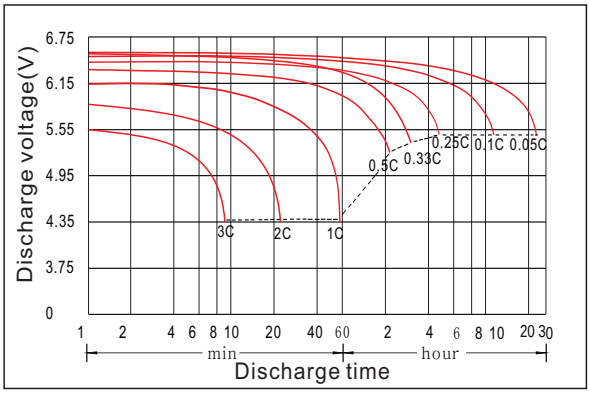
(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

KB6200EV 6V 200Ah C_3

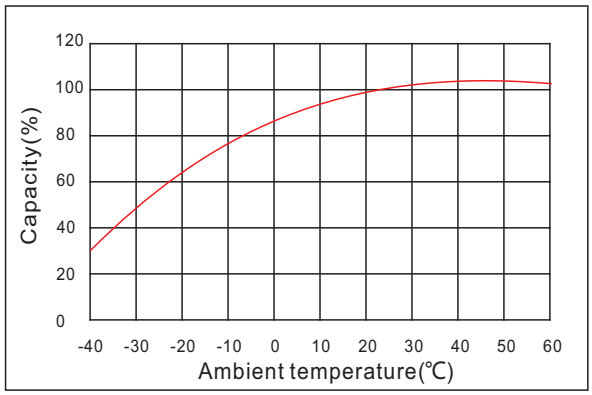
Charging Characteristic



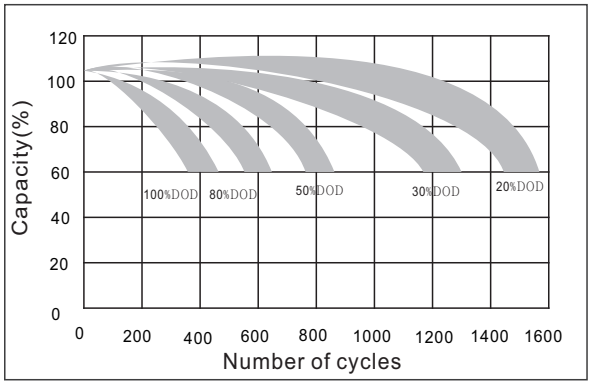
Discharge characteristic



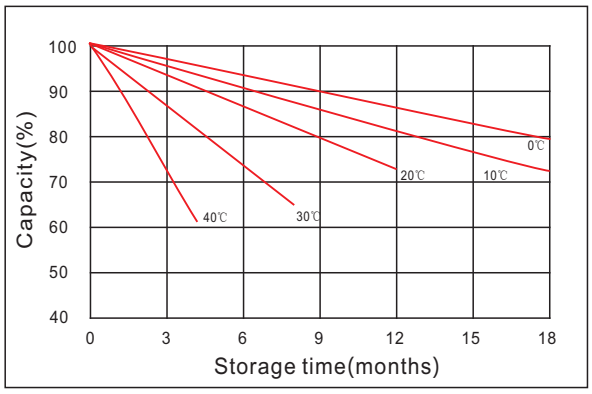
The effect of temperature on capacity



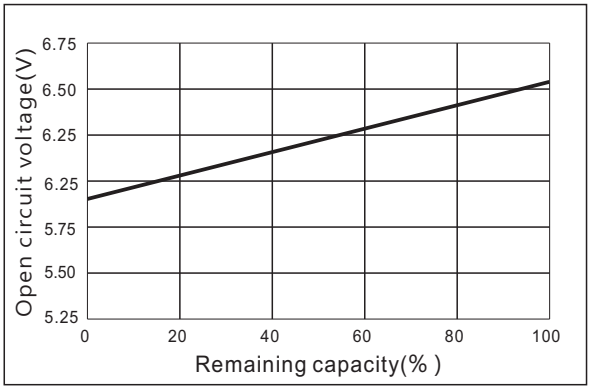
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



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

2024/V/K

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