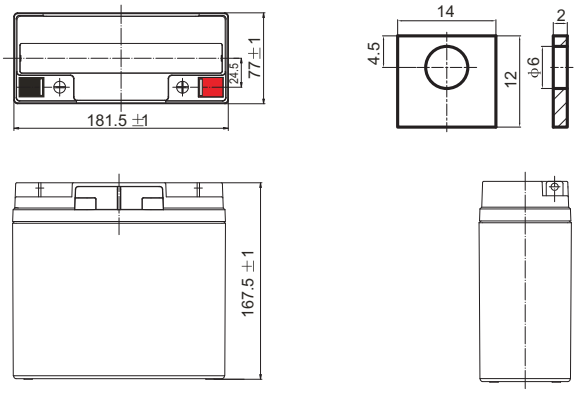
KBLI12200 12.8V 20Ah

Longer Cycle Life: **Offers up to 20 times longer cycle life and five** times longer float/ calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
Lighter Weight: **About 40% of the weight of a comparable lead** acid battery. A 'drop in' replacement for lead acid batteries.
Higher Power: **Delivers twice power of lead acid battery, even** high discharge rate, while maintaining high energy capacity.
Wider Temperature Range: -20 C~60 C.
Superior Safety: **Lithium Iron Phosphate chemistry eliminates** the risk of explosion or combustion due to high impact, overcharging or short circuit situation.

Physical Dimension-mm



Performance Characteristics

Nominal Voltage	12.8V
Nominal Capacity	20Ah
Energy	256Wh
Internal Resistance(AC)	≤50mΩ
Cycle Life	>2000 cycles @ 1C 100%DOD
Months Self Discharge	<3%
Efficency of charge	100% @0.5C
Efficency of Discharge	96~99% @1C
Charge Voltage	14.6±0.2V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charge Current	10A
Max. Charge Current	20A
Charge Cut-off Voltage	14.6V±0.2V
Rated Discharge Current	10A
Max. Discharge Current	20A
Discharge Cut-off Voltage	10V
Charge Temperature	0 ℃to 55 ℃ (32F to 131F) @60±25% Relative Humidity
Discharge Temperature	-20 ℃to 60 ℃(-4F to 140F) @60±25% Relative Humidity
Storage Temperature	-20 ℃to 45 ℃(-4F to 113F) @60±25% Relative Humidity
IP Class	IP65
Plastic Case	ABS
Approx. Dimensions	181.5mm*77mm*167.5mm (7.15in.*3.03in.*6.59in.)
Approx. Weight	2.60kg (5.73lbs)
Terminal	T3

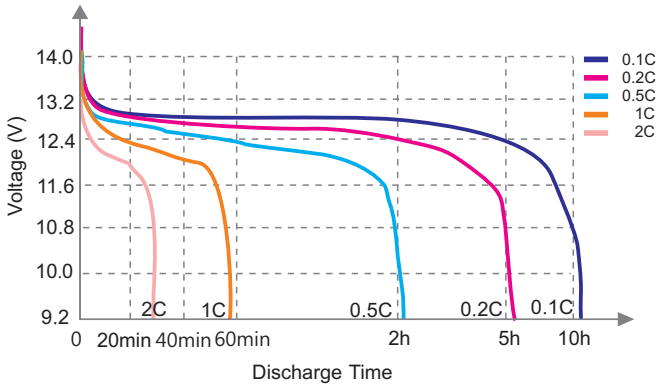
Applications

Wheelchairs and scooters
Solar / wind energy storage
Back-up power for small
UPS Golf trolleys & buggies
Electric bikes
Tools

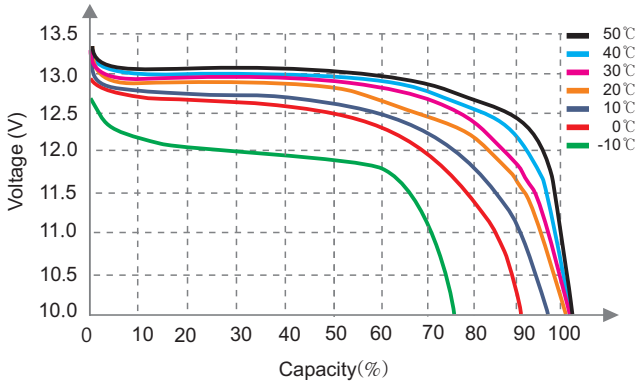
(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values.

KBLI12200 12.8V 20Ah

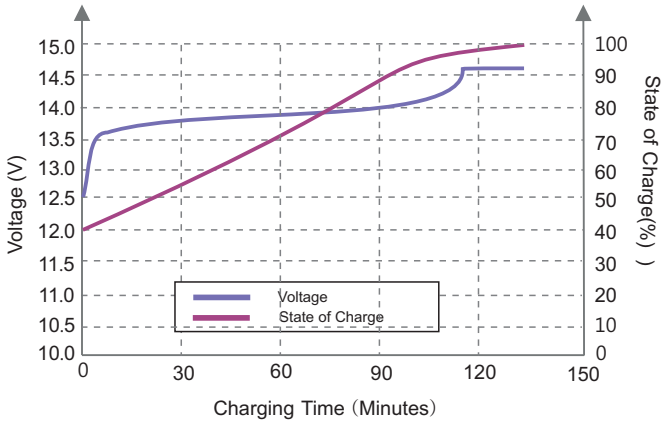
Different Ratio Discharge Curve (25ºC)



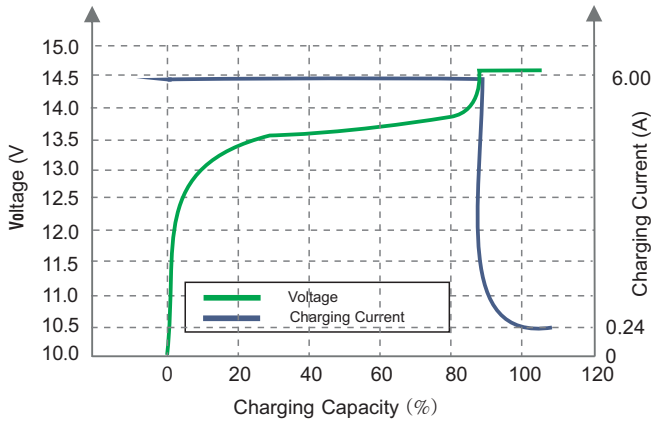
Different Temperature Discharge Curve (0.5ºC)



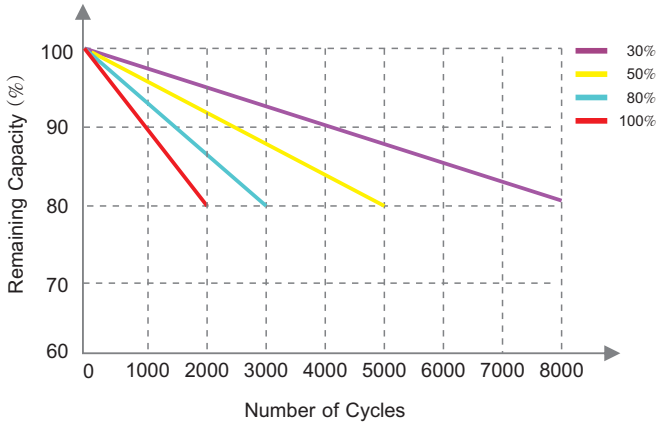
Satate of charge Curve (0.5ºC, 25ºC)



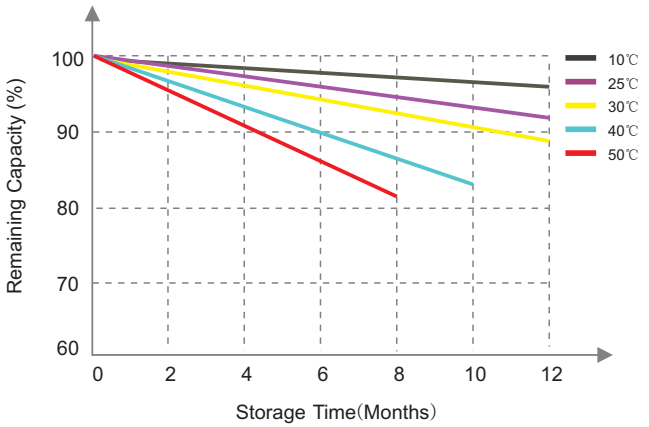
Charging Characteristics (0.5ºC, 25ºC)



Satate of charge Curve (0.5ºC, 25ºC)



Satate of charge Curve (0.5ºC, 25ºC)



2018/V1/L

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