

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.

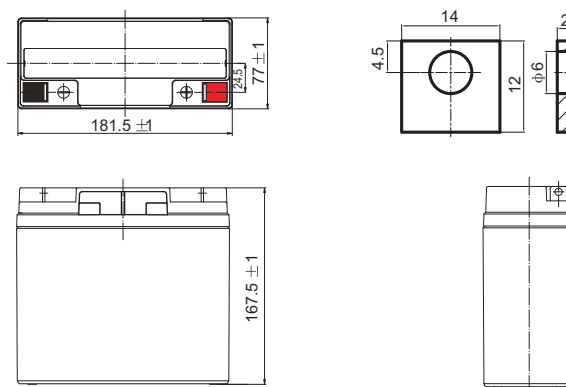
Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.

Wider Storage Temperature Range: -20 °C -60 °C.

Superior Safety: Prismatic 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

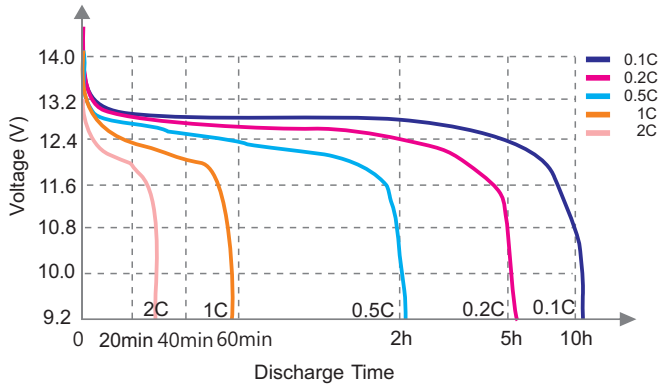
Nominal Voltage	12.8V
Nominal Capacity	20Ah
Energy	256Wh
Cycle Life	>2000 cycles @ 80%DOD
Efficiency of charge	100% @0.5C
Efficiency of Discharge	96-99% @1C
Charge Voltage	14.6V
Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
Charge Current	10A
Max. Charge Current	20A
Max. Discharge Current	20A
Discharge Cut-off Voltage	10V
Operating Humidity	0-95% RH (No condensing)
Operating Temperature range	Charge: 0 ~ +50°C; Discharge: -20 ~+55°C
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	M5
Communication Interface	/
Protection	Over charge, Over discharge, Over temperature, Short circuit
Certification	UN38.3, CE
Parallels Support	Yes, Max, 2 Sets
Series Support	Yes, Max, 4 Sets

Applications

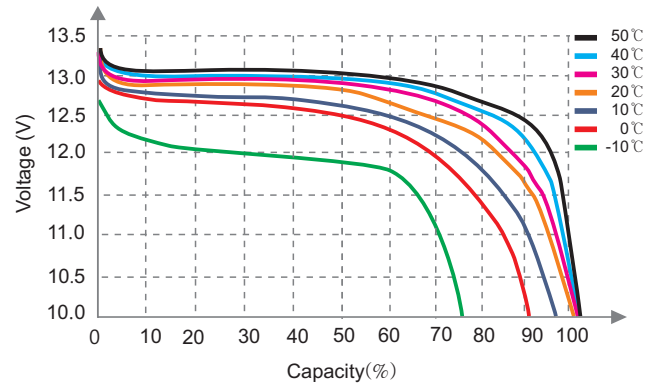
Wheelchairs and scooters
Solar / wind energy storage
Back-up power for small
UPS Golf trolleys & buggies
Electric bikes
Tools

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

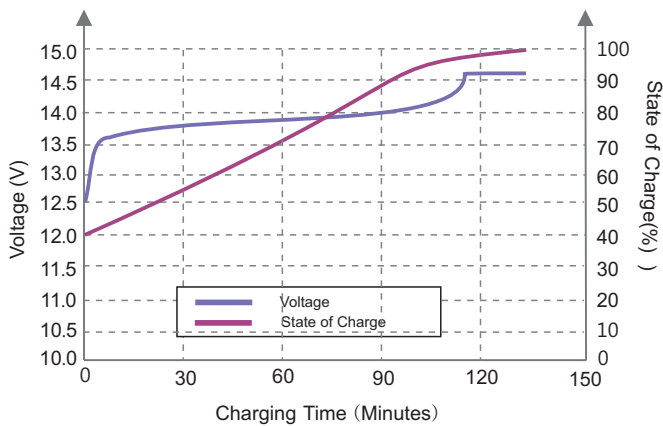
Different Ratio Discharge Curve (25°C)



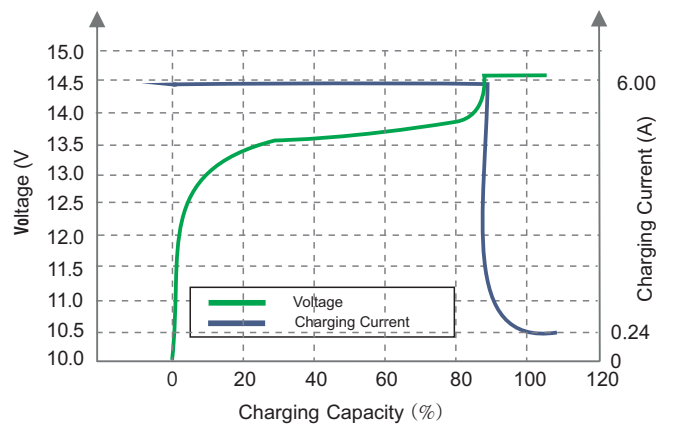
Different Temperature Discharge Curve (0.5°C)



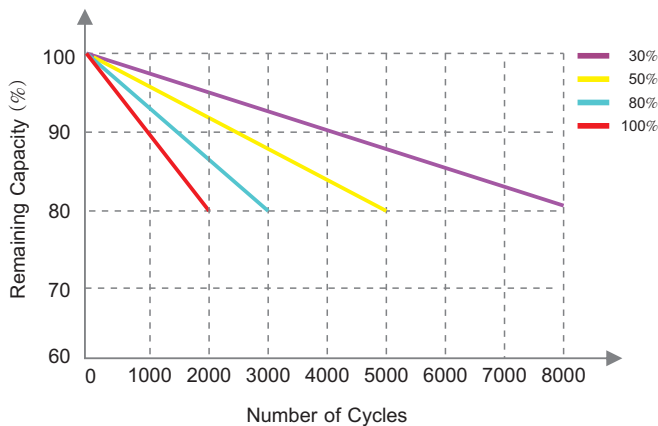
State of charge Curve (0.5°C, 25°C)



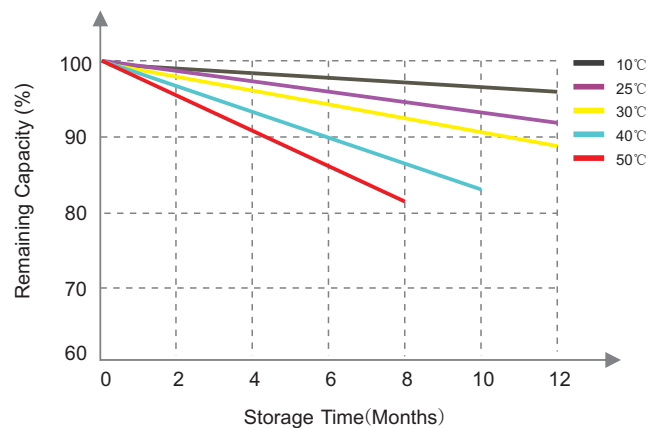
Charging Characteristics (0.5°C, 25°C)



Different DOD Discharge Cycle Life Curve (1C)



Different Temperature Self Discharge Curve



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

