

KBLI241000 24V 100Ah



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.

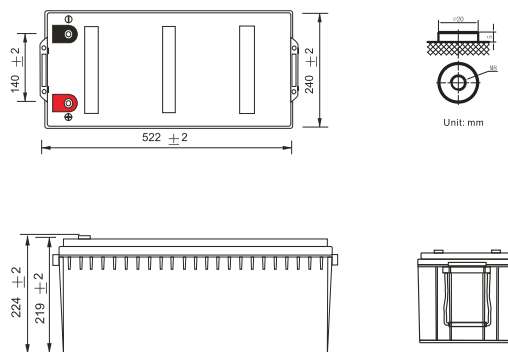
Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

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	25.6V
Nominal Capacity	100Ah
Energy	2,56kWh
Cycle Life	>3500 cycles at 80%DoD
Efficiency of charge	100% @ 0.5C
Efficiency of Discharge	96~99% @ 1C
Charge Voltage	29.2V
Charge Mode	@0.2C(A) to 29.2V, then @29.2V till charge current <0.05C(A) (CC/CV)
Charge Current	20 (0.2C)
Max. Charge Current	100A
Max. Discharge Current	100A
Discharge Cut-off Voltage	22.4V
Operating Humidity	0-95% RH (No condensing)
Operating Temperature range	Charge: 0 ~+50°C Discharge: -20 ~+55°C
Storage Temperature range	-20 ~+60°C / -4 ~+140°C
IP Class	IP65
Plastic Case	ABS
Approx. Dimensions	522mm*240mm*219mm (20.55in.*9.44in.*8.62in.)
Approx. Weight	26kg (57lbs)
Terminal	M8
Communication Interface	/
BMS Functions	Cell Voltage/Current Balance, Temperature, MOSFETS
Protection	Over voltage, Low voltage, Over current, Over Temperature, Low Temperature Short circuit
Certification	UN38.3, CE
Parallels Support	Max 2 pcs
Series Support	No Support

Applications

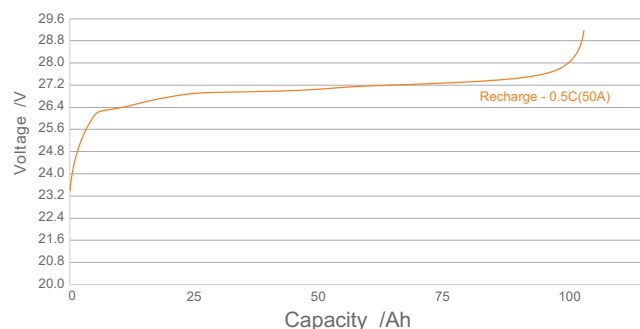
Wheelchairs and scooters
Solar / wind energy storage
Back-up power for small
UPS Golf trolleys & buggies
Electric bikes
Tools

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

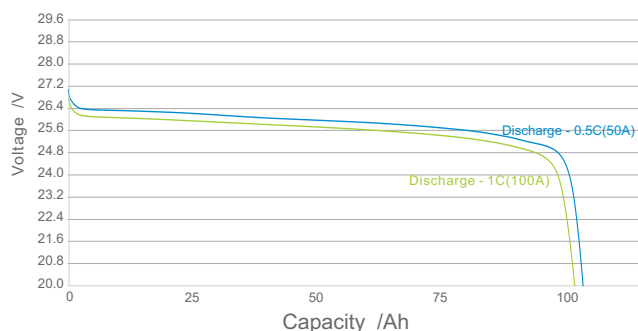
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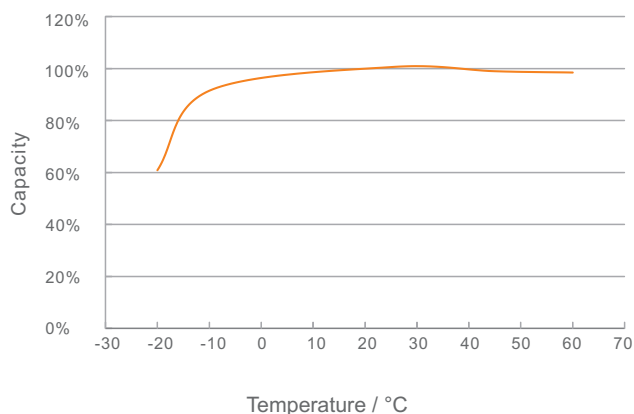
Charging Characteristics - (0.5C@25°C)



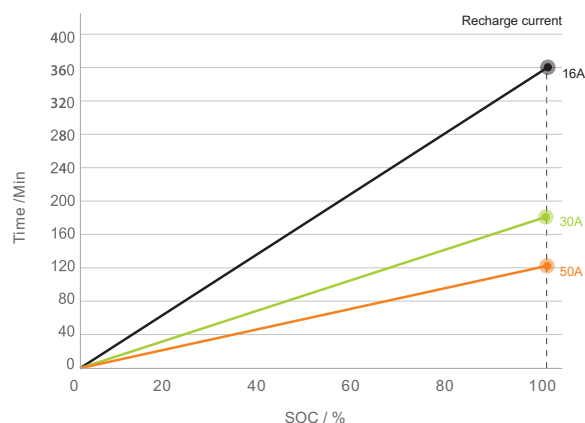
State of Discharge Curve - (0.5C, 1 C@25°C)



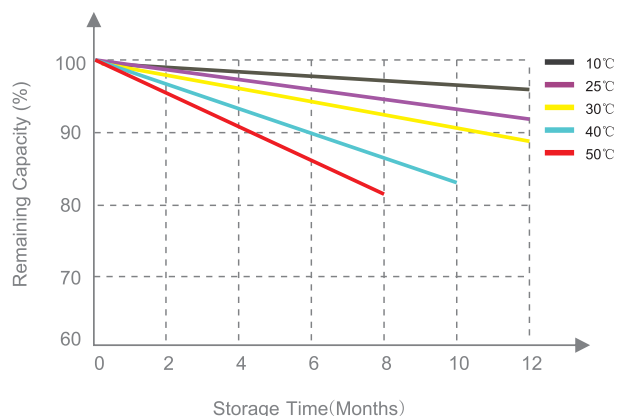
Capacity With Different Temperature



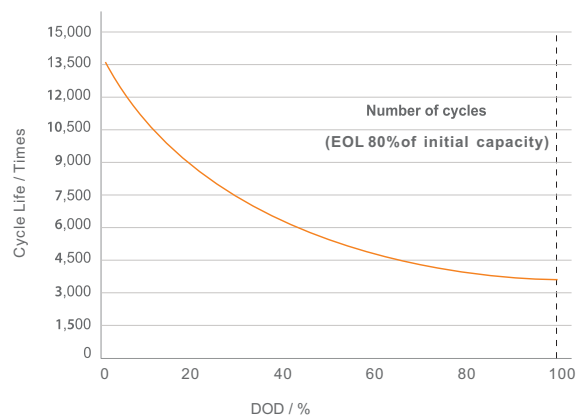
Typical Recharge Time



Different Temperature Self Discharge Curve



Typical Cycle Life



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

