

KBLI243000 25,6V 300Ah



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.

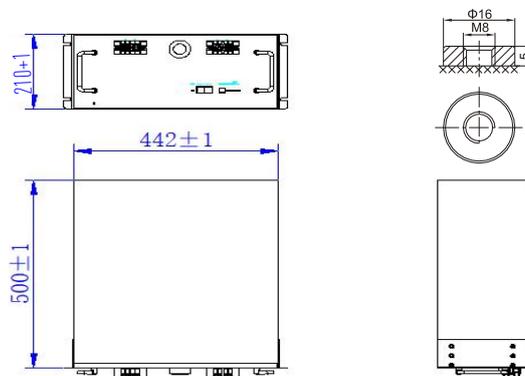
Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

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



Electrical Performance

Nominal Voltage	25.6 V
Nominal Capacity	300 Ah
Energy	7680 Wh
Self Discharge	<3% / Month
Internal Resistance	≤20 mΩ
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~99% @1C

Mechanical Performance

Dimension (L x W x H x HT)	500 x 442 x 210 mm "19.69 x 17.40 x 8.27 in"
Approx. Weight	52.0 kg
Terminal Type	M6
IP Class	IP20
Plastic Case	Q235

Charge Performance

Recommended Charge Current	100 A
Maximum Charge Current	150 A
Recommended Charge Voltage	29.2±0.2V
Charge Cut-Off Voltage	29.2±0.2V
Charge Mode	0.2C to 29.2V, then 29.2V, charge current to 0.02C (CC/CV)

Temperature Performance

Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity
Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
Storage Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity

Discharge Performance

Rated Discharge Current	100 A
Maximum Discharge Current	150 A
Discharge Cut-Off Voltage	20V
Recommended Low Voltage Disconnect	20 V

Application

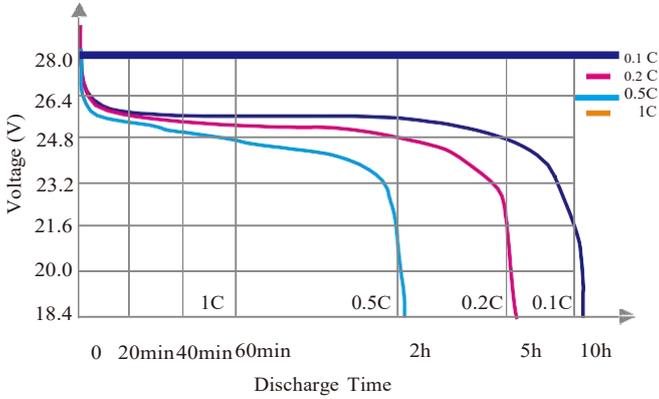
- electric mobility
- Solar/wind energy storage
- system Telecommunication
- Medical equipment
- Lighting

(Note) The Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data.

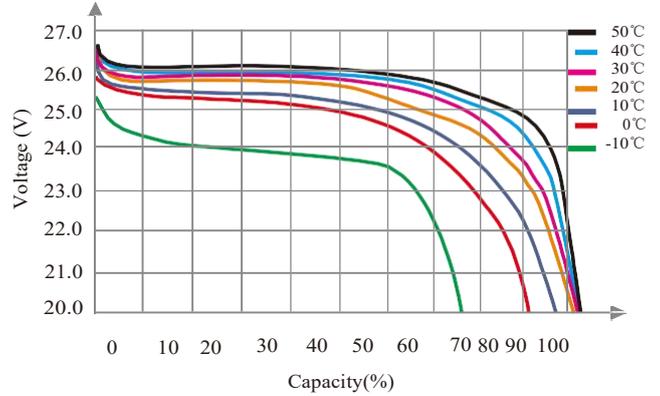
KBLI243000 25,6V 300h



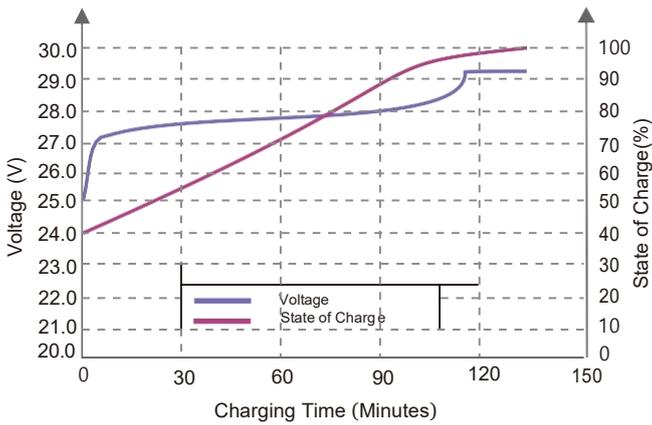
Different Rate Discharge Curve (25°C)



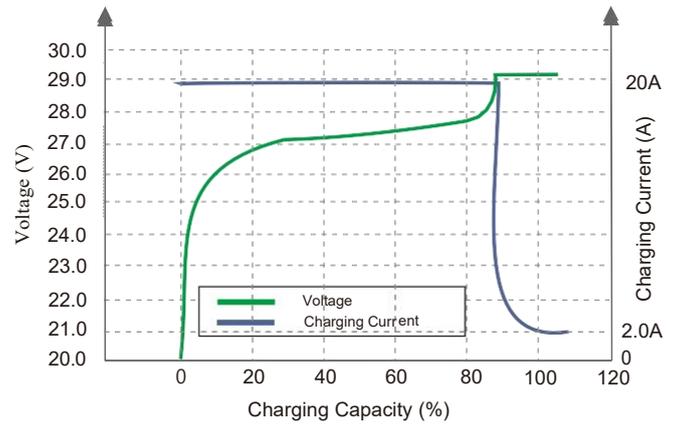
Different Temperature Discharge Curve (0.5C)



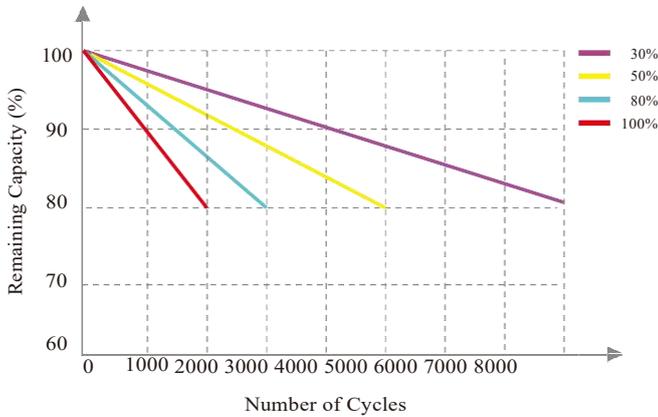
State of Charge Curve (0.2C, 25°C)



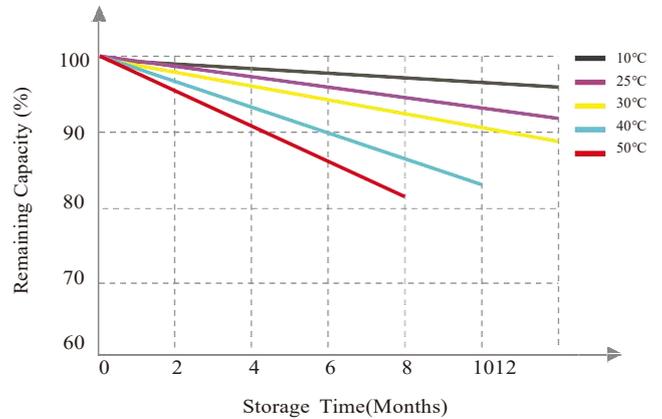
Charging Characteristics (0.2C, 25°C)



State of Charge Curve (0.2C, 25°C)



Charging Characteristics (0.2C, 25°C)



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