

MKBLI121000 12.8V 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.

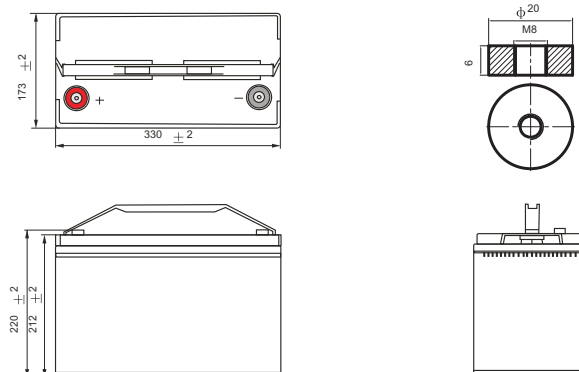
Lighter Weight: About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

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

Wider 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	100Ah
Energy	1280Wh
Internal Resistance(AC)	≤20mΩ
Cycle Life	>2000 cycles @ 1C 100%DOD
Months Self Discharge	<3%
Efficiency of charge	100% @ 0.5C
Efficiency 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	50A
Max. Charge Current	100A
Charge Cut-off Voltage	14.6V±0.2V
Rated Discharge Current	50A
Max. Discharge Current	100A
Discharge Cut-off Voltage	10V
Charge Temperature	0 °C to 55 °C(32F to 131F) @60±25% Relative Humidity
Discharge Temperature	-20 °C to 60 °C(-4F to 140F) @60±25% Relative Humidity
Storage Temperature	-20 °C to 45 °C(-4F to 113F) @60±25% Relative Humidity
IP Class	IP65
Plastic Case	ABS
Approx. Dimensions	330mm*173mm*220mm (12.99in.*6.81in.*8.66in.)
Approx. Weight	13.10kg (28.66lbs)
Terminal	M8

Applications

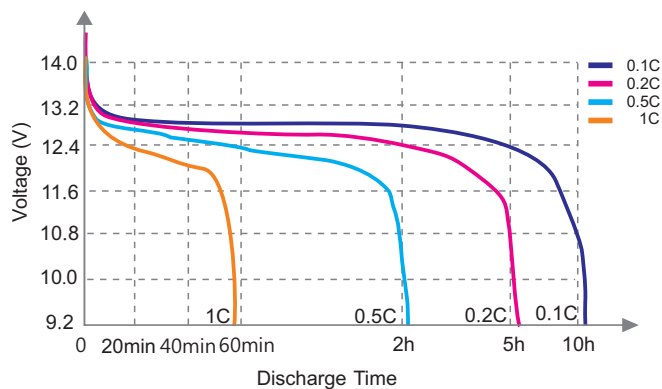
Wheelchairs and scooters
Solar / wind energy storage
Back-up power for small
UPS Golf trolleys & buggies
Electric bikes
Tools

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

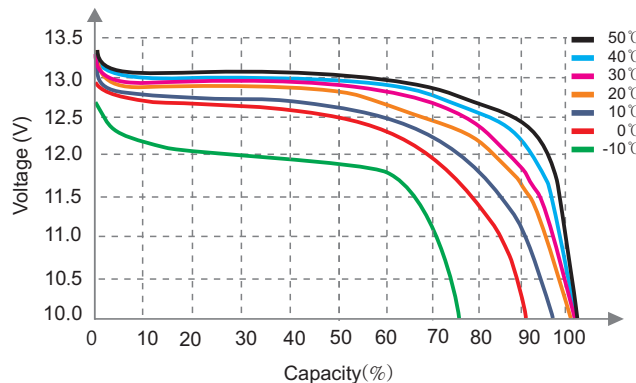
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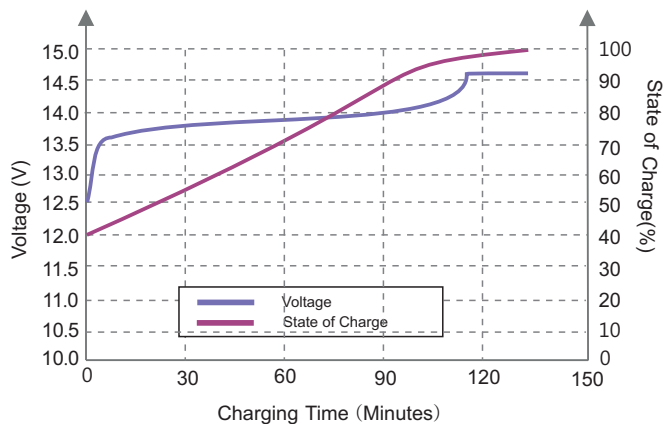
Different Ratio Discharge Curve (25°C)



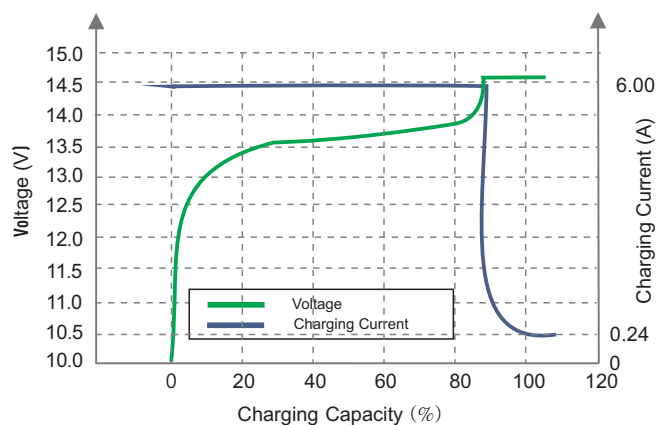
Different Temperature Discharge Curve (0.5C)



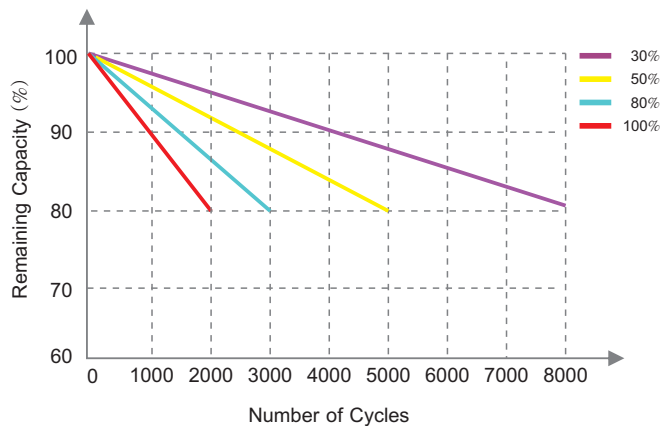
State of charge Curve (0.5°C, 25°C)



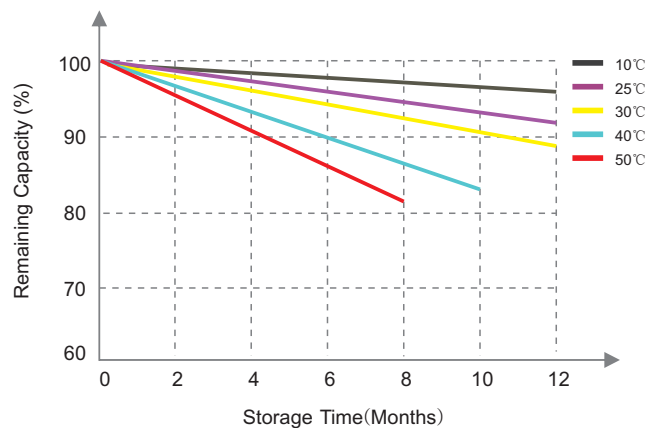
Charging Characteristics (0.5°C, 25°C)



Satate of charge Curve (0.5°C, 25°C)



Satate of charge Curve (0.5°C, 25°C)



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