

# KBLI511000 51,2V 100Ah



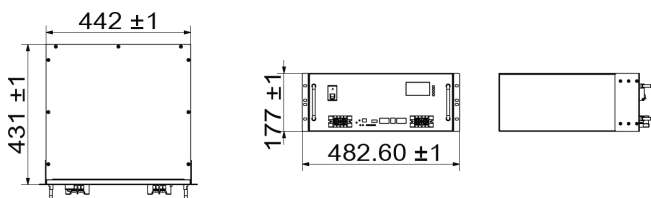
## Specifications

Model	KBLI511000		
Rated Capacity (5HR)	100Ah		
Nominal Voltage	51.2 V		
Discharge Ending Voltage	43.2 V		
Charging Limited Voltage	57.6 V		
Max. Charging Current	100A		
Max. Continue Discharging Current	100A		
Weight	Approx. 42 Kg		
Display	With display screen		
Parallel Connection	Parallel connection is optional (up to 15P).		
Dimensions (W*D*H) mm (inches)	442 (17.40") * 431 (16.97") * 177 (6.99")		
Protocol	CANBUS/ MODBUS		
Cell	3.2V 100Ah		
Design life	More than 20 years		
Cycle Life	More than 3500 cycles at 100 % DOD		
IP Class	IP31		
Outer Package Material	Black bake lacquer steel case (battery rack or cabinet is optional)		
Operating Temperature	Charging: 0 to +60°C	Discharging: -20 to + 60°C	Storage: -20 to + 60°C

## Applications

- Intra-system balancing
- Flame retardant system to UL94V-0
- Good high temperature performance
- High cycle times and long service life
- Safe Lithium Iron Phosphate Technology
- Thousands of cycles, under normal conditions
- High energy density and conversion efficiency
- Environmental Friendly, without any heavy metals
- Complete with Battery Management System built-in
- Can use most standard VRLA chargers for this system
- Low self discharge rate of 2 years before required recharging
- Easy installation, can be in 19-inch standard cabinet or be wall-mounted
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions
- Compatible with market leading inverters

## Dimensions-mm



## Discharge Table

### Constant Current Discharge Table (Amperes) at 25 °C

Model	Voltage/Time	1h	2h	3h	5h	10h
KBLI511000	End of discharge voltage 43.2V	95 A	49 A	33 A	20 A	10 A

### Constant Power Discharge Table (Watts) at 25 °C

Model	Voltage/Time	1h	2h	3h	5h	10h
KBLI511000	End of discharge voltage 43.2V	4850W	2500W	1700W	1024W	512W