

# Powercube Lithium Battery SW-B512100

## Features

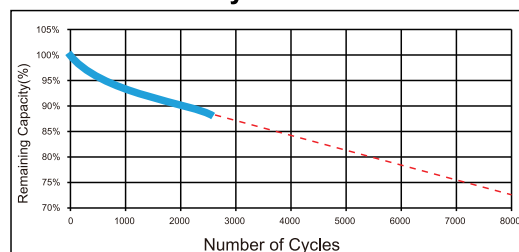
- **Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement 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.
- **Increased Flexibility:** Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.



## Application

- Electric vehicles, electric mobility
- Solar/wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

cycle life



## Specification

Model No.		SW-B512100
Electrical Characteristics	Nominal Voltage	51.2V
	Nominal Capacity	100Ah (C5 ,25°C)
	Energy	5120Wh
	CycleLife	>2000 cycles@0.2C 100%DOD
	Months Self Discharge	<3%
Standard Charge	Standard charge current	20A
	Maximum charge current	100A
Standard Discharge	Standard discharge current	20A
	Maximum discharge current	100A
	Discharge cut-off voltage	40V
Mechanical	Dimensions (in./mm.)	482*420*178.5mm
	Weight (lbs./kg.)	≅ 50Kg
	Protocol (optional)	RS485/RS232/CAN
Operating Temperature	Charge Temperature	0 °C to 45 °C (32F to 113F) @60±25% Relative Humidity
	Discharge Temperature	-20 °C to 60 °C (-4Fto 140F) @60±25% Relative Humidity