



# ElectriBank 12V 100Ah ESS100 Bluetooth Deep-Cycle Battery

## ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8 V
Fully Charged Voltage	13.2 - 13.4V
Nominal Capacity	100 Ah (200Ah PbEq)
Capacity @ 25A	230 min
Energy	1280 Wh
Efficiency	99%
Resistance	30 mΩ
Self Discharge	<2% per month
Maximum in Series	4 modules (48V)
Maximum Parallel	No Limit

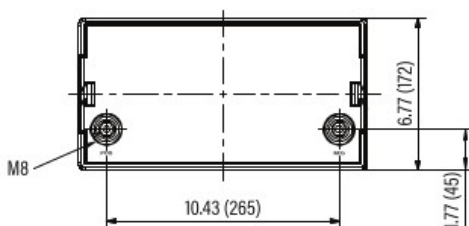
## DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	150 A
Peak Discharge Current	500 A
BMS Discharge Current Cut-Off	500 A (±50 A)
Recommended Low Voltage Disconnect	11 V
BMS Discharge Voltage Cut-Off	10 V
Reconnect Voltage	12 V
Short Circuit Protection	200-600 μs

## TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20 to 65 degC
Charge Temperature	0 to 60 degC
Storage Temperature	-20 to 60 degC
BMS High Temperature Cut-Off	75 degC

## DIMENSIONAL SPECIFICATIONS

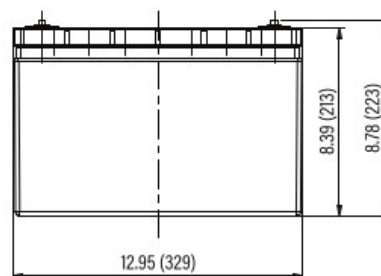


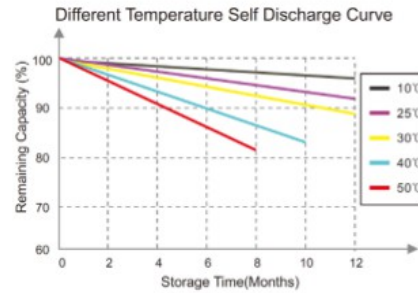
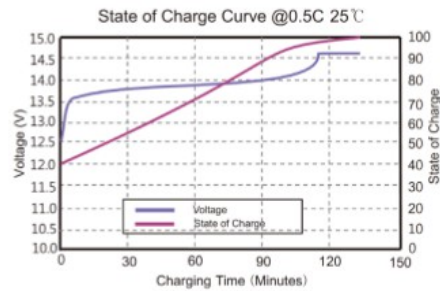
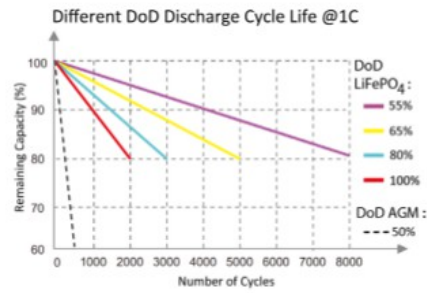
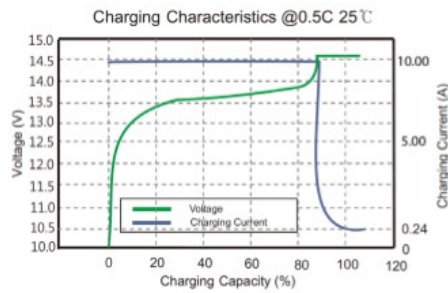
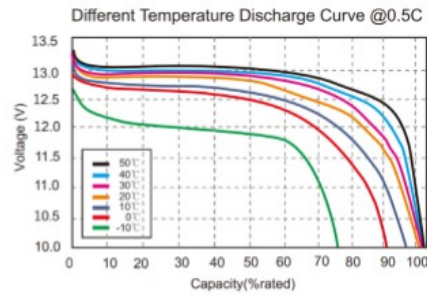
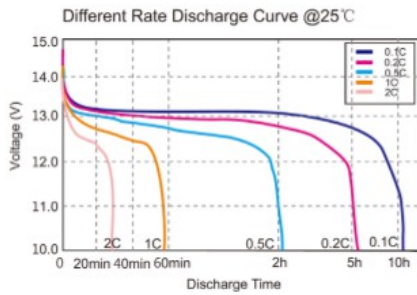
## MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	329 x 172 x 223 mm
Weight	11.9 kg
Terminal Type	M8 (supplied)
Terminal Torque	9-11 Nm
Case Material	ABS
Enclosure Environmental Protection	IP65
Cell Type – Chemistry	Prismatic – LiFePO <sub>4</sub>
Display Type	Bluetooth App

## CHARGE SPECIFICATIONS

Recommended Charge Current	10 - 50 A
Maximum Recommended Charge Current	100 A
BMS Charge Current Cut-Off	150 A (±50 A)
Recommended Charge Voltage	14.2 - 14.6 V
BMS Charge Voltage Cut-Off	15.6V
Reconnect Voltage	15.2 V
Balancing Voltage	14.4V





## PERFORMANCE CHARACTERISTICS

The ElectriBank 100AH ESS Bluetooth unit is a high performance Lithium LiFePO4 deep-cycle Energy Storage System (ESS) battery that is lightweight, durable and long-life with water resistance to IP65 standards.

The ElectriBank 100AH ESS Bluetooth battery can be charged using most 12-16V charging systems including AC-DC, DC-DC converters and chargers, solar panels, fuel generators, alternators and wind generators etc. The ElectriBank range of ESS batteries were designed for tough Australian conditions and can withstand the rigours of touring, boating, camping and 4WD applications.

The ElectriBank range has the added advantage of delivering high burst current output, well above industry standards to provide emergency engine starting capability (up to 500A), where the battery is in a full charge state. This gives you peace-of-mind knowing that you have purchased the ideal deep-cycle battery for all of your energy storage requirements, whether at home or touring in the great outdoors.

ElectriBank ESS batteries are dry-cell and require no maintenance other than charging and can maintain charge when stored without charging if disconnected for up to 12 months with minimal loss.

ElectriBank ESS batteries are safe, reliable and made with 100% organic anode and cathode materials so both safe for you and the environment. Comprehensive monitoring of battery real-time charge state, current and capacity via the ElectriBank App connected via the The ElectriBank 100AH ESS Bluetooth unit. App available from [electribank.com/electribank-app](http://electribank.com/electribank-app) or QR code.

Welcome to the new age of Lithium performance, welcome to ElectriBank.

