

### BASIC INFORMATION

Lithium batteries provide excellent performance, capacity and reliability. Using cutting-edge lithium cell technology, the lithium series is designed for environmentally sensitive areas that require increased cycle life in commercial, industrial and residential applications. Maintenance-free and advanced design features make the Lithium Series the ultimate choice for a wide variety of industries. This series has a parameter measurement module using a Bluetooth application. The application is available for Android and IOS devices. The batteries are CE certified.

### SPECIFICATION

MODEL	TERMINAL	POLARIZATION	Tightening torque screws	Case IP Rating	DIMENSIONS				WEIGHT
					LENGTH	WEIGHT	HEIGHT	WITH TERMINAL	
LFP12100	M8	LEFT +	12,40 NM	Ip65	330mm	172mm	200mm	215mm	13,00kg

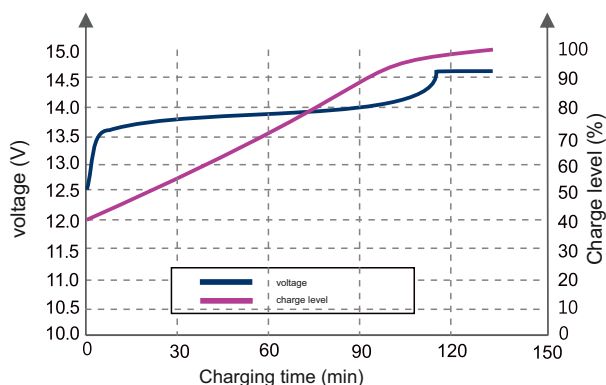
### ELECTRICAL SPECIFICATIONS

CAPACITY RATED	DISCHARGE VOLTAGE		INTERNAL RESISTANCE	CHARGING VOLTAGE DURING CYCLICAL WORK	CHARGING CURRENT		
	25°C	RECOMMENDED			MAXIMUM	25°C	RECOMMENDED
100Ah	11.80V	11.80V	9,60V	<50,00mΩ	14,20V - 14,80V	25,00A	100,00A

### STORAGE

PERMISSIBLE AMBIENT TEMPERATURE			SELF-DISCHARGE IN 20°C
STORAGE	CHARGING	DISCHARGE	1 MONTH
-20°C up +45°C	-3°C up +65°C	-23°C up +65°C	<3%

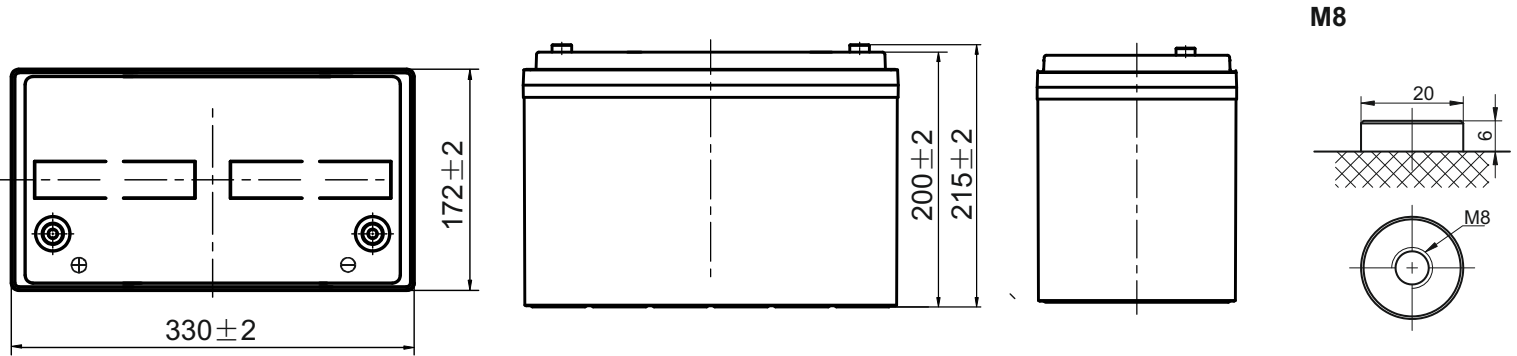
### Charge state curve (0,5C, 25°C)



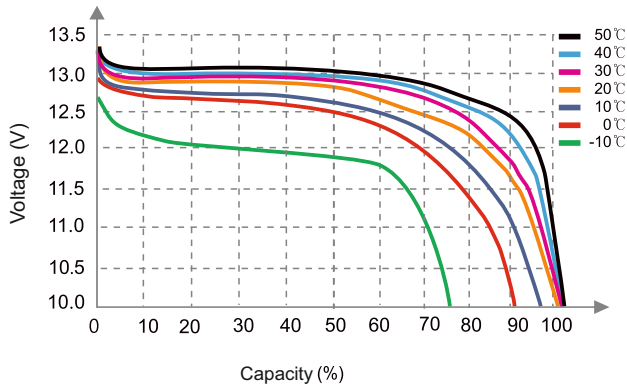
### APPLICATIONS

- wheelchair
- scissor lifts
- golf carts
- cleaning machines
- boats
- photovoltaic systems
- mobile devices
- devices powered by an electric motor
- devices with high cycle of work

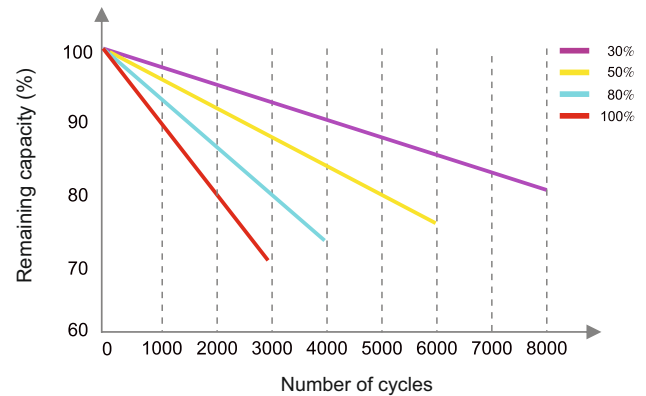
### DIMENSIONS



### Lowering temperature curve (0.2C)



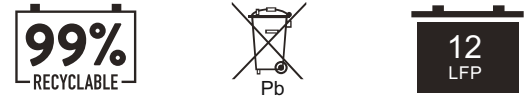
### Discharge cycle life curve DOD 1C 25C



### SAFETY



### RECYKLING



### THE ENVIRONMENT

EXPLOITED BATTERIES ARE CONSIDERED AS HAZARDOUS WASTE. THESE WASTES DUE TO THEIR ORIGIN, CHEMICAL COMPOSITION (THEY CONTAINS HEAVY METALS LIKE LEAD AND OTHER TOXIC SUBSTANCES) AND OTHER FEATURES MAY BE DANGEROUS FOR ENVIRONMENT AND HUMAN OR ANIMAL HEALTH LIFE. ACCORDING TO THE WASTE ACT, WASTE IN THE FORM OF BATTERIES AND ACCUMULATORS SHOULD BE COLLECTED SEPARATELY FROM OTHER TYPES OF WASTE.

IN ORDER TO OBTAIN MORE DETAILED INFORMATION, WE ENCOURAGE YOU TO CONTACT US, WE PROVIDE ANY INFORMATION ON HOW TO HANDLE WITH WASTE BATTERIES AND ACCUMULATORS.