

COTEK LFP

LITHIUM IRON PHOSPHATE BATTERY



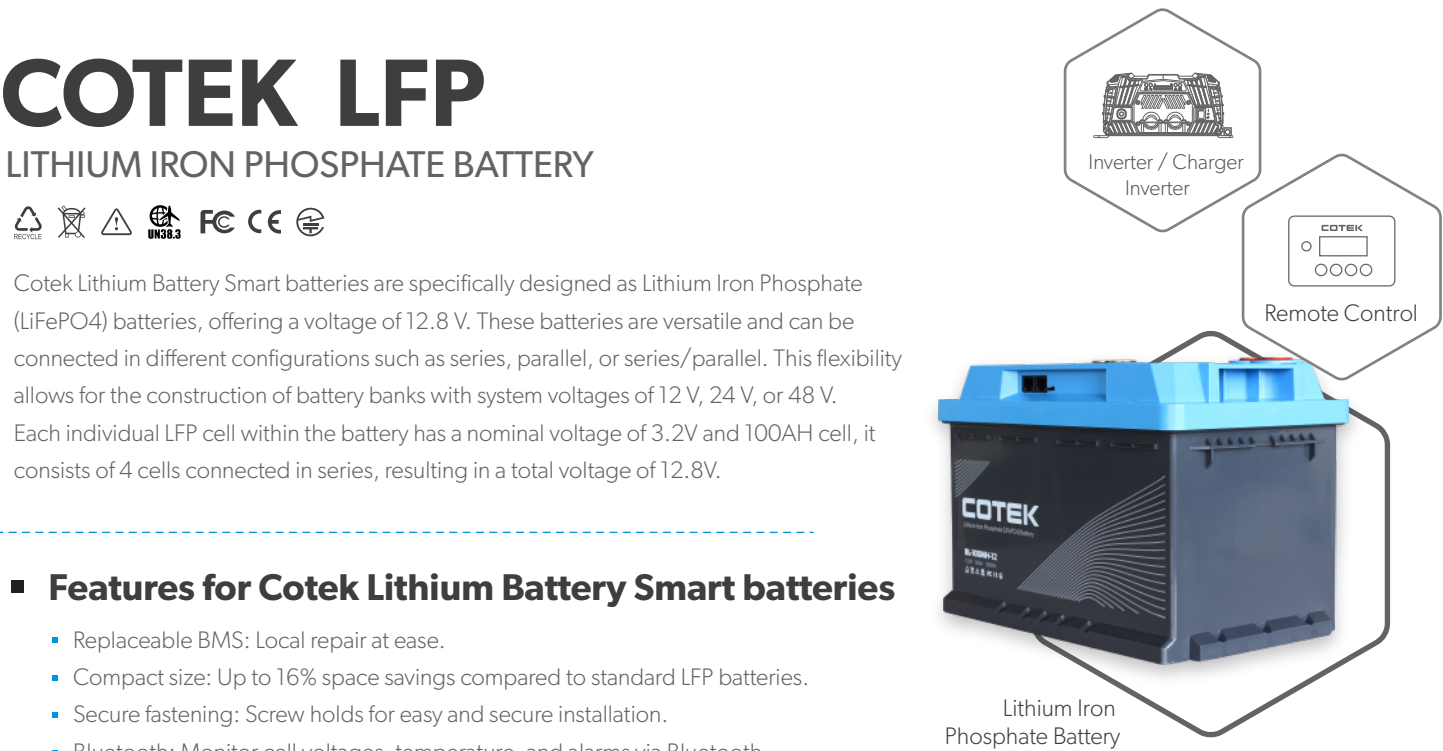
Cotek Lithium Battery Smart batteries are specifically designed as Lithium Iron Phosphate (LiFePO4) batteries, offering a voltage of 12.8 V. These batteries are versatile and can be connected in different configurations such as series, parallel, or series/parallel. This flexibility allows for the construction of battery banks with system voltages of 12 V, 24 V, or 48 V. Each individual LFP cell within the battery has a nominal voltage of 3.2V and 100AH cell, it consists of 4 cells connected in series, resulting in a total voltage of 12.8V.

■ Features for Cotek Lithium Battery Smart batteries

- Replaceable BMS: Local repair at ease.
- Compact size: Up to 16% space savings compared to standard LFP batteries.
- Secure fastening: Screw holds for easy and secure installation.
- Bluetooth: Monitor cell voltages, temperature, and alarms via Bluetooth.
- Communication: Seamless communication with Cotek inverter/charger or inverter for enhanced integration.
- Plug and play: With CR-22 remote, once the remote detects Cotek inverter/charger and Cotek LFP, CR-22 will set the charging parameter automatically.
- UL94 V0 flammability rating

■ Spec:

Model	BL-100N-12	BL-100H-12	BL-100M-12	BL-100MH-12
Case Standard	Plastic Case	Plastic Case	Plastic Case	Plastic Case
Dimensions (mm)	279*178*193	279*178*193	279*178*193	279*178*193
Nominal Voltage (V)	12.8 V	12.8 V	12.8 V	12.8 V
Nominal Capacity (Ah)	100 Ah	100 Ah	100 Ah	100 Ah
Nominal Energy (Wh)	1280	1280	1280	1280
Max.Charge Current (A)	100 A	100 A	100 A	100 A
Max.Discharge Current (A)	100 A	100 A	100 A	100 A
Peak Discharge Current (A)	250A(3s)	250A(3s)	250A(3s)	250A(3s)
Charge operating temperature	0°C - 55°C	-20°C - 55°C	0°C - 55°C	-20°C - 55°C
Discharge Operating temperature	-20°C - 60°C	-20°C - 60°C	-20°C - 60°C	-20°C - 60°C
Cut off voltage	10 V	10 V	10 V	10 V
Series/Parallel	4 in series and 4 in parallel	4 in series and 4 in parallel	4 in series and 4 in parallel	4 in series and 4 in parallel
Bluetooth	No	No	Yes	Yes
Heating	No	Yes	No	Yes
Comm. Support	No	No	Yes	Yes
Life cycle (DOD 80%)	3500	3500	3500	3500
Certificate	Telec,CE-IEC62619, E-Mark UN38.3+MSDS, UL1642	Telec,CE-IEC62619, E-Mark UN38.3+MSDS, UL1642	Telec,CE-IEC62619, UN38.3 + MSDS, FCC, E-Mark	Telec,CE-IEC62619, UN38.3 + MSDS, FCC, E-Mark
Warranty	5	5	5	5



Smart Power
System