



# MobileArk Series Lithium Battery 5.12/10.2/14.3

## KWH: Powering Tomorrow's Energy Needs

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### When Batteries Become Marathon Runners

Imagine your energy storage system as an ultramarathon athlete - that's essentially what the MobileArk Series Lithium Battery 5.12/10.2/14.3 KWH brings to the table. These modular power solutions are rewriting the rules of energy storage, combining the stamina of LiFePO<sub>4</sub> chemistry with smart energy management that'd make your smartphone jealous.

### Technical Specifications That'll Make Engineers Smile

Voltage range: 46.4-57.6VDC (plays nice with most inverters)

Peak discharge current: 50A (handles power surges like a boss)

Operating temperature: -20?~55? (from Arctic chill to desert heat)

Cycle life: >4000 cycles at 80% DoD (outlasting most marriages)

### The Secret Sauce: LiFePO<sub>4</sub> Chemistry

Unlike your aunt's questionable casserole recipe, MobileArk's lithium iron phosphate formula has been stress-tested to perfection. These batteries laugh in the face of thermal runaway risks that plague conventional lithium-ion cells. How's that for peace of mind?

### Real-World Applications (No Lab Coats Required)

Solar Storage: A 14.3KWH unit can power a 3-bedroom home through nightly Netflix binges

EV Charging Stations: Store off-peak energy for fast daytime charging

Marine Use: Survives salty sea air better than your smartphone's charging port

### Battery Management System: The Unsung Hero

MobileArk's smart BMS works harder than a kindergarten teacher during flu season. It constantly monitors:

Cell voltage balancing (no favoritism allowed)

Temperature control (keeping its cool literally)

Overcharge protection (because nobody likes a bloated battery)

### Installation Flexibility That Would Make Yoga Instructors Jealous

Wall-mounted design? Check. IP65 rating? You bet. These units install faster than IKEA furniture (and with fewer leftover screws). The 590 x 380 x 146mm form factor slips into spaces tighter than economy class

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legroom.

Maintenance? What Maintenance?

While your car demands oil changes and your plants need watering, MobileArk batteries come with:

5-year warranty (longer than most smartphone contracts)

Self-discharge rate

Web: <https://www.sphoryzont.edu.pl>