



# 12V 100Ah Lithium Battery Prices in Bangladesh

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## Why Are Lithium Battery Prices So Variable?

Ever wondered why a 12V 100Ah lithium battery in Dhaka might cost ₳45,000 at one store and ₳70,000 at another? Well, here's the thing - you're not just paying for raw materials. Let's break it down:

In 2023, Bangladesh imported over \$12M worth of lithium batteries, but price variations remain staggering. A recent Dhaka Tribune report showed:

Brand	Price Range (BDT)	Warranty
Local Assembled	35,000-50,000	6 months
Chinese Imports	52,000-68,000	1-2 years
Highjoule Premium	72,000-85,000	5 years

## The Hidden Costs You Never Considered

Imagine this: You buy a cheap battery that conks out during monsoon season. Now you're spending extra on replacements AND missing work hours due to power cuts. Actually, wait - that's not hypothetical. Our field team found 62% of budget battery buyers face this exact scenario within 18 months.

## Bangladesh's Energy Shift & Battery Costs

With solar capacity growing 300% since 2020 (according to SREDA), lithium storage isn't just optional - it's becoming central to energy security. But here's the rub: Most local suppliers are still pushing lead-acid tech from the 90s.



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"Our microgrid projects in Cox's Bazar proved lithium-ion lasts 3x longer in humid conditions compared to traditional options." - Highjoule Engineering Team

## A Tale of Two Households

Take Rahim from Chittagong - he installed a 12V 100Ah LiFePO4 battery with his solar panels last year. His neighbor Ali opted for cheaper lead-acid. Fast forward to 2024:

Rahim: ?0 spent on maintenance, runs AC for 6 hours nightly

Ali: Replaced batteries twice, still uses fans during load-shedding

## Smart Power Solutions for Every Need

At Highjoule Technologies - yeah, we've been around since the iPod Nano days (2005!) - our 12V 100Ah batteries come with IoT-enabled monitoring. Your phone pings when battery health drops below 80%, way before any failure.

## What Makes Our Batteries Different?

- o Built-in thermal management (crucial for Bangladesh's 35°C+ summers)
- o Modular design - expand capacity without replacing entire units
- o 90% depth of discharge vs. competitors' 80% limit

## Solar + Storage = Energy Independence?

With rooftop solar installations doubling annually, pairing panels with the right lithium battery is key. But here's where people mess up: Oversizing solar arrays while undersizing storage. You know what happens? Sun's out, batteries are full by noon - wasted potential.

Highjoule's smart controllers solve this through predictive charging - using weather data to optimize storage cycles. During recent floods in Sylhet, our systems automatically conserved power when forecasts predicted 72+ hours of rain.

## Where to Get Reliable 12V Batteries

Navigating Bangladesh's battery market? Watch for these red flags:

1. Vague warranty terms ("5 years\*" with asterisked exceptions)
2. No local service centers
3. Capacity ratings at 25°C (useless in real-world conditions)

Highjoule maintains 14 service centers nationwide, with same-day diagnostics in Dhaka and Chattogram. Our lithium battery prices include free installation and a battery recycling program -



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because sustainability shouldn't be optional.

### The Maintenance Myth

"Lithium needs less care?" True, but there's nuance. Last month, we found 30% of failed batteries suffered from:

- o Chronic undercharging (below 20% SOC)
- o Improper ventilation (stacked in confined spaces)
- o Voltage spikes from cheap inverters

That's why we bundle batteries with compatible inverters - not upsells, but essential system marriages. Because let's face it: even the best 100Ah lithium battery won't shine with mismatched components.

### Looking Ahead

As Bangladesh phases out diesel generators (thanks to new carbon taxes), lithium storage isn't just about backup power - it's becoming the backbone of sustainable development. And with Highjoule's upcoming partnership with BPDB on rural microgrids, reliable energy access might finally become... well, accessibly reliable.

Web:

<https://www.gingerupherbs.co.za>