



# 12V 100Ah Battery Price Guide

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### The 12V 100Ah Battery Landscape in Bangladesh

Right now, you're probably wondering: "Why does a 12-volt 100Ah battery in Dhaka cost nearly twice what my cousin paid in Delhi?" Well, let's break this down. The average price for lead-acid models ranges from BDT 18,000 to 30,000 (\$170-\$285), while lithium-ion variants can hit BDT 55,000 (\$520). But wait, no--that's not the whole story.

### Currency Crunch & Local Demand

Bangladesh's battery market grew 23% last quarter according to BSBMA (Bangladesh Storage Battery Manufacturers Association). Yet the US dollar exchange rate fluctuation--it jumped 12.7% in 2023 alone--means imported components keep pushing prices north.

"Our customers often feel stuck between pricey imports and questionable local alternatives," says Highjoule's Dhaka branch manager Arif Rahman. "That's why we've localized production of our HJT-SolarStor units."

### Behind the Battery Price Tag

You're at a Mirpur Road shop comparing two 12V 100Ah batteries. One's BDT 22,000 with 1-year warranty, the other BDT 28,500 with 3-year coverage. What gives? Let's dissect the cost:

Raw materials (55% of cost): Lead prices swung from \$2,100 to \$2,450/ton this year

Import duties (up to 32% for non-SAARC batteries)

Local assembly quality (only 8/23 local brands meet BSTI standards)



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Highjoule's solution? Our hybrid HJT-DualCore technology cuts weight by 40% while delivering 1,500+ cycles. "It's not just about upfront cost," our tech lead notes, "but TCO over 5-7 years."

### When Traditional Batteries Fall Short

Last month, a Gazipur textile factory learned this the hard way. Their lead-acid batteries failed during load-shedding, costing \$12,000 in production losses. Now they're switching to Highjoule's containerized ESS with:

- Smart thermal management
- Real-time mobile monitoring
- 10-year performance warranty

### Shopping Smarts for Bangladeshi Buyers

Here's a pro tip: Always check the manufacturing date. Batteries lose 3-5% capacity monthly in storage. Look for recent stock ( $\leq 3$  months) and:

Feature	Budget Pick	Premium Choice
Cycle Life	500 cycles	1500+ cycles
Weight	28kg	15kg
Warranty	1 year	5 years

Final thought--don't just compare battery prices in Bangladesh. Calculate  $\$/kWh$  over the system's lifespan. Sometimes paying 25% more upfront saves 60% long-term. Want personalized advice? Highjoule's solar consultants offer free site assessments across all 64 districts.

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<https://gingerupherbs.co.za>