# Bhutan Charging Station Distribution Box

## Overview

BHUTAN POWER CORPORATION LIMITED (An ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Company) P.O.

## Key Takeaways

Bhutan currently has 75 EV charging stations, unevenly distributed across dzongkhags, with plans to expand coverage to one station per 15 EVs by 2030.

### Current Distribution

Bhutan has 75 EV charging stations, of which 32 are AC and 43 are DC. However, four stations are non-operational, and nearly 40 of the functional stations are concentrated in Thimphu, Paro, and Phuentsholing, leaving several dzongkhags without any stations. This uneven distribution poses challenges for EV users, particularly along highways and in district towns, where drivers may face long waits or risk running out of battery.

### Government Oversight and Management

The Bhutan Power Corporation (BPC) is responsible for the construction, maintenance, and ownership of all EV charging stations. Coordination among the Ministry of Infrastructure and Transport (MoIT), Ministry of Finance (MoF), and Ministry of Energy and Natural Resources (MoENR) ensures infrastructure gaps are addressed, with MoF providing budgetary support. The government aims to expand the network significantly, targeting one charging station for every 15 EVs by 2030, ensuring more equitable distribution across all dzongkhags.

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### Technical and User Considerations

Studies indicate that EV users in Bhutan face limited driving range, battery degradation, and insufficient charging availability, which affect overall satisfaction. Performance analysis at stations, such as in Samdrup Jongkhar, highlights the importance of power quality and grid stability when adding new distribution boxes and stations. Proper placement of distribution boxes is critical to ensure reliable access, minimize downtime, and integrate renewable energy sources for sustainable operation.

### Future Plans

The government's strategy includes: Expanding station coverage to underserved dzongkhagsEnsuring operational reliability through regular maintenanceIntegrating renewable energy to support sustainable EV chargingOptimizing station placement to reduce wait times and improve accessibility This approach aligns with Bhutan's broader goal of promoting clean transportation, reducing carbon emissions, and achieving 70% EV adoption by 2035. In summary, while Bhutan's EV charging infrastructure is currently concentrated in a few regions, planned expansion and strategic distribution of charging station boxes aim to provide nationwide coverage and support the growing EV fleet.

## Article Content

Public DC Fast Charging in Bhutan

To meet the project requirements, SETEC POWER supplied the PowerMaster 120kW DC Fast Charging Solution for deployment at the public charging stations, supporting both government

Electric Vehicle Charging Stations (EVCS) – MoIT

For the benefit of all electric vehicle drivers and owners, the Department of Surface Transport would like to inform that public Electric Vehicle Charging Stations (EVCS) are available in

Public Notification-Electric Vehicle (EV) charging stations

Private entities may establish EV charging stations at self-identified locations. Such establishments shall be subject to securing all necessary clearances, approvals, and licenses from

Bhutan EV Charger Market 2022-2030

When Bhutan''s sustainable low emission urban transport systems project is approved, the country will install 23 electric car charging stations at peripheral locations in Thimphu and nearby

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DSMP_REPORT_Thimphu.pdf

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Batteries and ev charging stations distributors in Bhutan

RES employs more than 2,500 people and is active in ten countries and operates in wind, solar, energy storage and transmission and distribution on land and at sea.

Technical Specification for Lot 2 (Distribution Boxes)

1.6.2 The Distribution Pillar should be supplied completely wired, ready for the Bhutan Power Corporation Limited''s external connections at the terminal blocks.

Bhutan EV Charging Infrastructure Study | PDF | Electric Vehicle ...

It assesses existing electric vehicle and charging station levels, analyzes literature on electric vehicle adoption, interviews stakeholders, identifies suitable locations for future charging stations, and

Public Notification for EV details

We strongly believe that shared responsibility in maintaining and protecting these charging stations is crucial for the long-term success of EV adoption in our nation. For any complaints, kindly contact the

Japan, UNDP support 8 EV charging stations

“Bhutan greatly appreciates the support received from the Government of Japan and UNDP. We added 19 EVs to the government fleet and installed eight EV quick charging stations

Bhutan Power System Overview Map

This document provides a map of Bhutan''s power system featuring transmission lines and power plants. It shows the different voltage levels across the country including 66kV, 132kV, 220kV

Bhutan Transmission System Planning and Modelling Manual

The Bhutan Transmission System Planning and Modelling Manual aims to establish the standardized methodologies and technical frameworks essential for designing a reliable, safe, and efficient

Electric Vehicle Charging Infrastructure in Bhutan: Performance ...

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This is the first study in Bhutan to combine both user experience data and technical performance analysis of EV charging infrastructure, providing a complete understanding of the current EV system.

Bhutan Electric Vehicle Charger and Charging Station Market (2025

6Wresearch actively monitors the Bhutan Electric Vehicle Charger and Charging Station Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue

Bhutan EV Charging Infrastructure Study | PDF | Electric Vehicle ...

The document studies the development of electric vehicle charging infrastructure in Bhutan to support charging at least 1000 electric vehicles. It assesses existing electric vehicle and charging station

Bhutan EV Charging Guide · Chargevu

Bhutan EV Charging: What Drivers Need to Know Bhutan''s public EV charging network is still developing. With just 8 public charging points recorded in our database, drivers will find coverage is

Govt. to expand EV charging network as adoption accelerates

As Bhutan accelerates its transition to electric vehicles (EV), the government has approved a nationwide rollout of EV charging stations to support the country''s shift toward cleaner,

Power Plugs & Electricity in Bhutan: What Travelers Need to Know

If you''re preparing for a trip to Bhutan, one practical detail is often overlooked until the last minute: electricity and power adapters. Yet making sure your devices can charge properly is

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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