

PREMIER AUTOMOTIVE DEALERSHIP

Powering Cape Cod's Premier Automotive Campus



Client: Premier Automotive dealership network

Location: Cape Cod and Plymouth, Massachusetts.

Scope:

As the EPC contractor, BD Electrical & Solar managed every phase of construction, including:

- Complete commercial solar installation
- Rooftop racking and module installation
- DC electrical installation
- Commercial inverter installation
- AC power distribution
- Utility interconnection
- Commissioning and system testing
- Coordination with dealership operations to minimize disruption



Project Highlights:

- Multi-site commercial solar portfolio
- Automotive dealership facilities
- Complete EPC delivery
- Active occupied facilities
- Complex rooftop layouts
- Utility interconnection and commissioning
- Long-term reduction in operating costs
- Hundreds of kilowatts of installed solar capacity

This portfolio demonstrates BD Electrical & Solar's ability to successfully deliver large-scale commercial solar projects across multiple facilities while maintaining quality, safety, and project schedules. From engineering through final commissioning, our team provides turnkey commercial solar solutions for businesses looking to reduce energy costs and invest in long-term sustainability.

Project Overview

BD Electrical & Solar served as the Engineering, Procurement, and Construction (EPC) contractor for a portfolio of commercial rooftop solar installations across the Premier Automotive dealership network in Cape Cod and Plymouth, Massachusetts. These projects transformed multiple dealership rooftops into high-producing renewable energy assets while allowing each facility to remain fully operational throughout construction.

The portfolio includes installations at Volvo Cars Cape Cod, Audi Cape Cod, BMW of Cape Cod, Mazda of Cape Cod, and the Premier Chevrolet dealership in Plymouth, representing several hundred kilowatts of distributed solar generation across one of the region's largest automotive groups.



Results

The completed portfolio now provides clean, renewable electricity to multiple dealership locations while helping reduce operating costs and long-term energy expenses. The systems offset a significant portion of each facility's electrical consumption, supporting Premier Automotive's commitment to sustainability while providing decades of dependable energy production.



The Challenge

Automotive dealerships present unique installation challenges that differ from traditional commercial buildings. Each roof contained numerous HVAC units, vents, skylights, and rooftop equipment that required custom array layouts to maximize production while maintaining required service clearances. Construction was carefully coordinated around active sales and service operations, ensuring customers and employees could safely access the facilities throughout the project. Every installation required detailed planning to optimize available roof space without impacting ongoing business operations.

