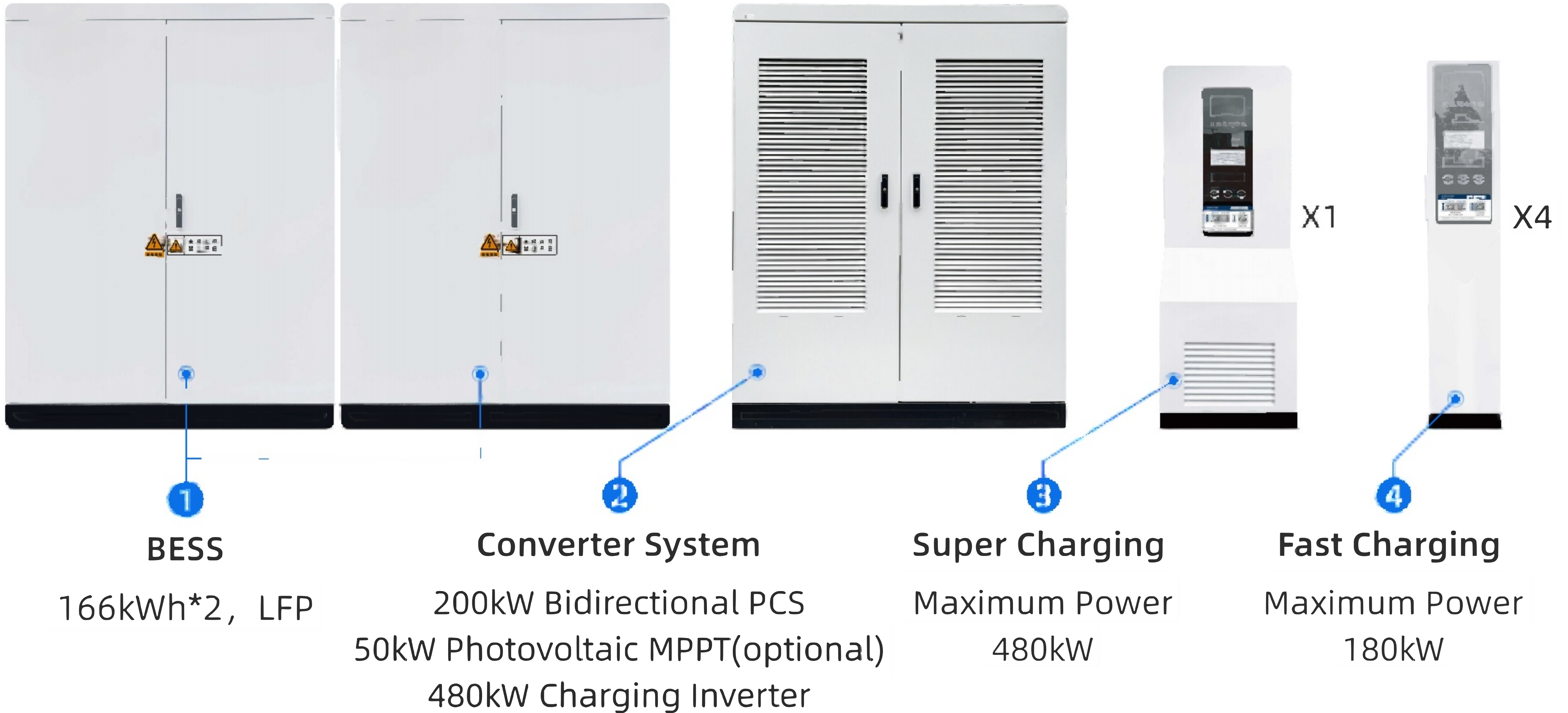




Integrated Super Energy Storage and EV Charging System

INPUT/AC OUTPUT/DC
200kW ➤ **480kW**
CHARGING CAPACITY
1200kW



Product Overview

Enstar integrated super energy storage and EV charging system, built upon a DC bus architecture, and integrates a LFP BESS, a 480kW super fast charging pile system and photovoltaic MPPT. The system also leverages EMS to facilitate both local and remote intelligent management. Pre-loaded with multiple energy dispatch algorithms, it adeptly manages the balance between energy supply and demand among the power grid, energy storage units, and electric vehicles. By tactfully utilizing the price differential between peak and off-peak periods and making the most of limited grid capacity, the system achieves efficient energy utilization and can provide power back to the grid as needed. Its modular design ensures that it occupies minimal space, is easy to install and maintain, and can be flexibly deployed across a variety of settings such as parking lots, commercial centers, residential neighborhoods, and more.

Product Features



Using Two Bidirectional AC/DC Power Modules With 100kW/unit, Realizing Power To Grid When Needed.



Centralized Charging Converter Module, Automatic Charging Scheduling, Up To 480kW Ultra Fast Charging.



DC Bus Architecture Integrates Energy Storage, Charging Piles and PV.



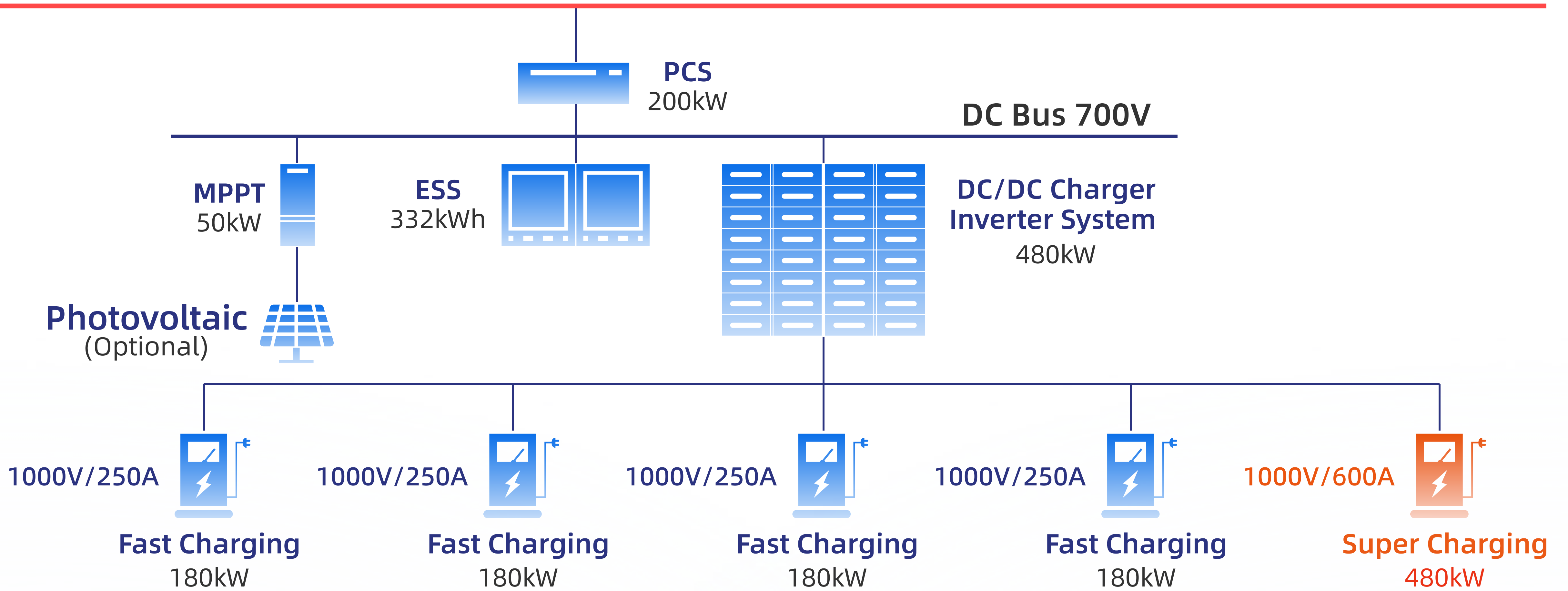
Providing Higher Output With Less Input When The Transformer Capacity Is Insufficient.

Technical Specification

ITEM	PARAMETER
Input Parameter	AC380V/50Hz/200kW
Energy Storage Capacity	332kWh (LFP Cell, Cycle Life: 6000 Times)
Converter Capacity	480kW (Constant Power)
Output Voltage	300-1000V
Maximum Power (Single Gun)	250A/180kW (Fast Charging) 600A/480kW (Super charging)
Number of Charging Piles	4 (Fast Charging) + 1 (Super charging)
Configuration Size	BESS+Converter System+Charging Terminal
BESS	3500*1513*2000(W*D*H)mm
Converter System	1600*1000*2000(W*D*H)mm
Charging Piles (Fast Charging)	320*320*1735(W*D*H)mm
Charging Piles (Super Charging)	500*500*1735(W*D*H)mm
Energy Management	EMS
Cooling Method	Closed Air Cooling, Air Cooling, Liquid Cooling
Operating Noise	≤65dB
Protection Grade	IP54

System Architecture

AC Bus 380~400V



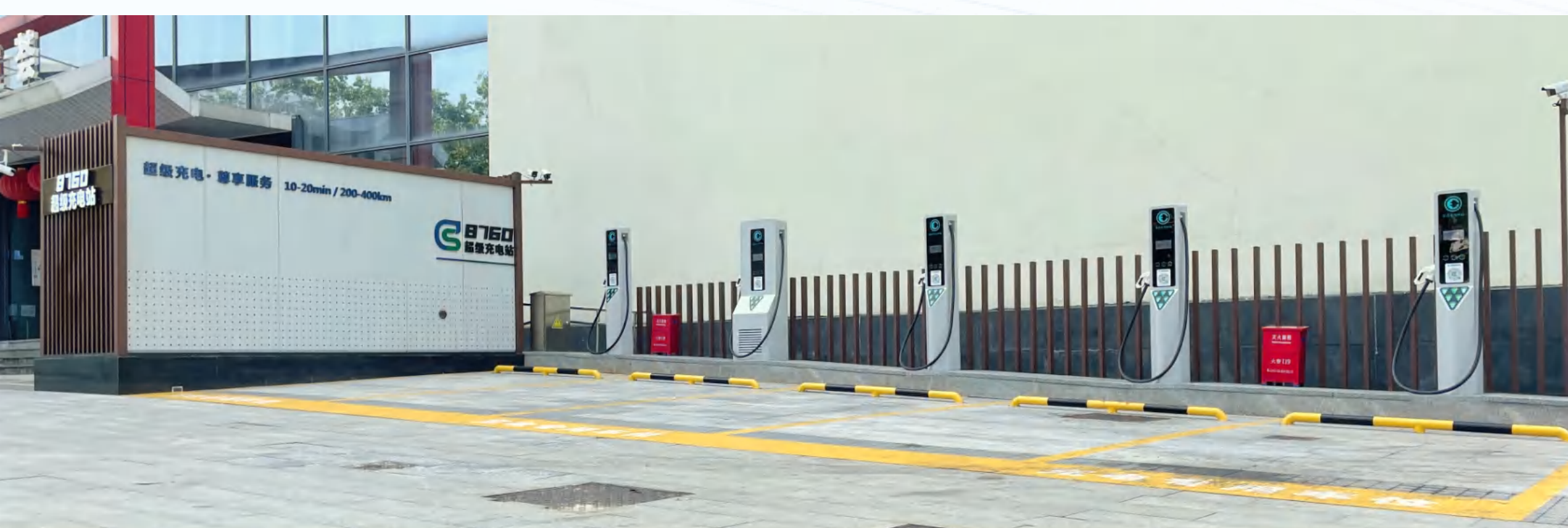
Application Cases



Industrial Park Super PV-Energy Storage-Charging Pile Station



PV-Energy Storage-Super Charging Station In Highway Service Area



Commercial District Energy Storage and Super Charging Station



Guangzhou Bio Island Energy Storage and Super Charging Station