

# PowerFlex

Charging Today.  
Powering Tomorrow.



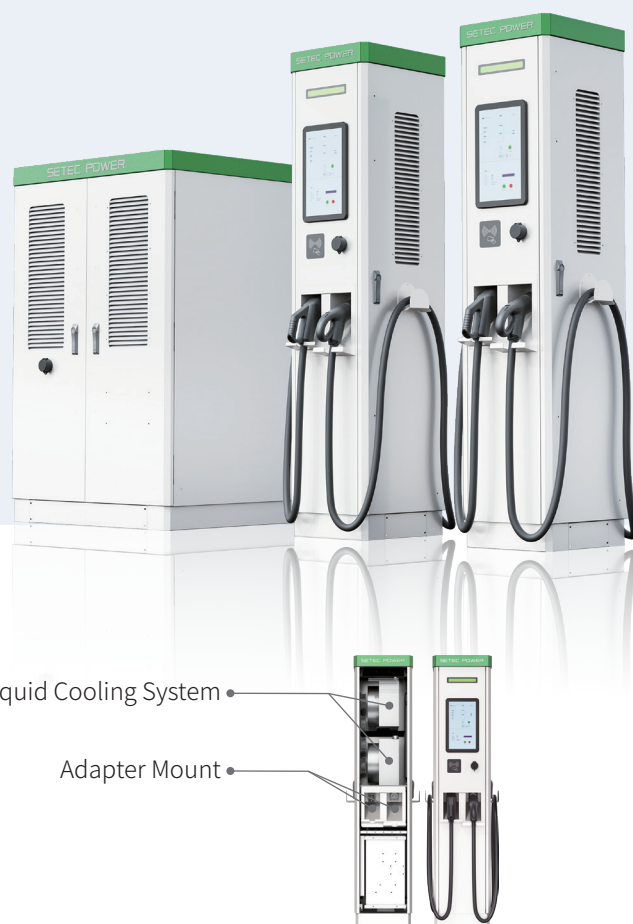
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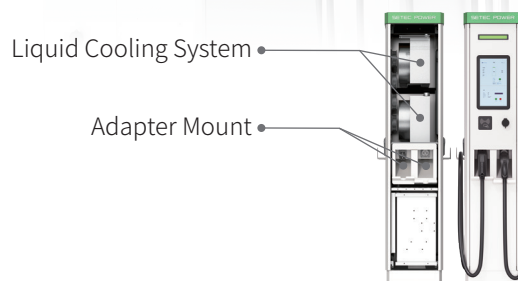
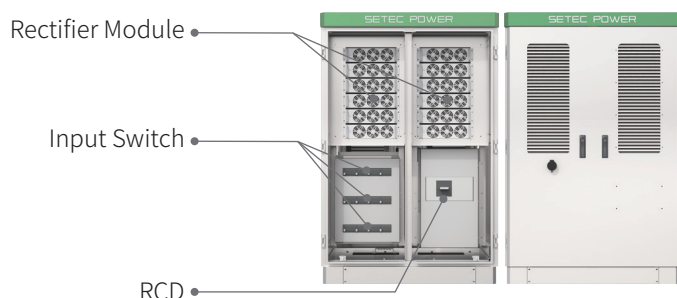
# PowerFlex

360kW-1000kW

PowerFlex is a distributed DC charging system tailored for multi-terminal fast charging applications, offering highly flexible configuration options. The quantity of EV dispensers can be customized according to site size and operational demands. The power cabinet features a modular design, with each power module capable of delivering up to 30kW output. Charging connectors such as CCS, NACS, and CHAdeMO can be configured to suit specific use cases and vehicle types, ensuring maximum adaptability across diverse operations.



## System Demonstration



## Product Features

### Customizable

Custom Individual Solutions

- Power
- EV Dispensers
- Adapters
- Languages
- Appearance
- Cable Length

### Highly Customizable Design

EV dispensers' quantities, power output, and connector types (CCS, NACS, CHAdeMO) can all be customized based on site layout, vehicle types, and operational needs.

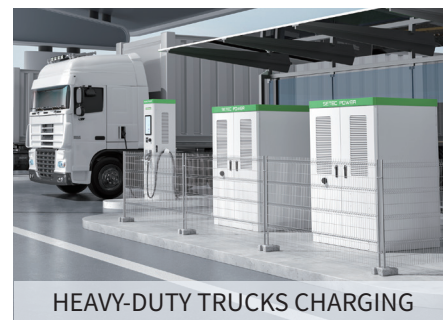
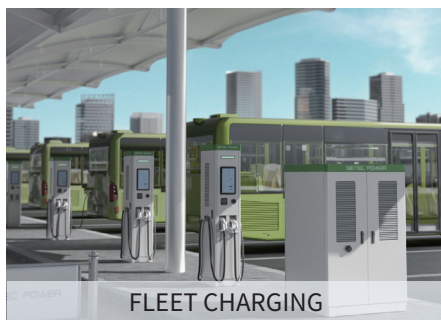
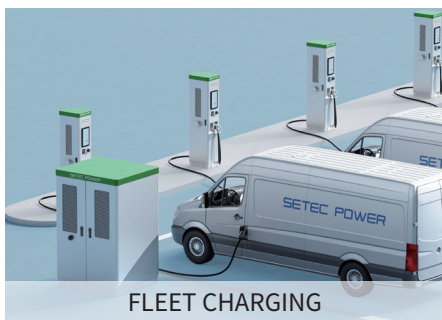
### Scalable Modules

Power cabinet adopts a modular design, with each module capable of delivering up to 30kW power, allowing flexible configuration of power capacity according to different operational phases.

### Dynamic Power Distribution

PowerFlex detects real-time charging demands from vehicle BMS systems and intelligently allocates power across multiple EV dispensers, ensuring efficient, dynamic output for different vehicle types.

## Application Scenario



Power Cabinet			
Data	Model	360kW	480kW
AC Norminal Input	Phase/Lines	3 Phase+Neutral+PE	
	Voltage	380Vac/480Vac/DC	
	Frequency	50Hz / 60Hz (±10%)	
DC Nominal Output	Voltage	150-1000Vdc	
	Power	360kW	480kW
	Current	600A	600A
Electrical Parameter	Inside Ower Module	30kW*12	30kW*16
	Power Factor	≥0.99	
	Stable Voltage Accuracy	≤±0.5%	
	Stable Current Accuracy	≤±1%	
	Efficiency	≥95% (50%-100% load)	
Environmental Index	Operation Temperature	-30℃ ~ 65℃	
	Working Humidity	5%-95% Without Condensation	
	Working Altitude	<2000m	
	Protection Grade	IP54	
	Application Site	Indoor/Outdoor	
	Cooling Method	Fan Cooling	
Security Protection	Multiple Protection	Over/Under Voltage Protection, Overload Protection, Short Circuit Proteciton, Over/Under Temperature Protection, Surge Protection, Communication Failure	
	MTBF	100,000 hours	
Package Information	Production Dimension	1240*980*1680	1240*980*1880
	Delivery Weight	580kg	650kg

EV Dispenser			
Data	Model	360kW	480kW
Optional	Adapters	CCS1/CCS2/CHAdemo/NACS/GBT	
	Cable Length	5m (standard)	
Configuration	Touch-Display	15 Inch Daylight Readable Touchscreen	
	Emergency Stop Button	Yes	
	Start Mode	RFID/POS/OCPP	
	Network	Ethernet/WIFI/4G	
	Communication	OCPP 1.6 /OCPP 2.0.1/TCP	
Environmental Index	Operation Temperature	-30℃ ~ 65℃	
	Working Humidity	5%-95% Without Condensation	
	Working Altitude	<2000m	
	Protection Grade	IP55	
	Application Site	Indoor/Outdoor	
Package Information	Production Dimension	460*560*1980	
	Delivery Weight	200kg	

\*Unique custom needs please talk to SETEC POWER