

PowerBoost

Charging Today.
Powering Tomorrow.



SETEC POWER

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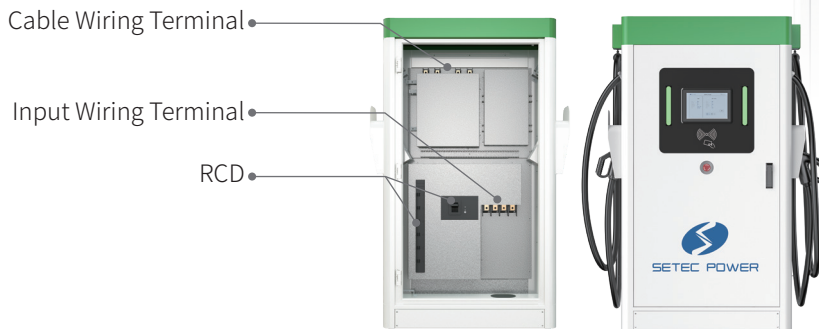
PowerBoost

60kW-500kW

PowerBoost features an output power of up to 500 kW, supporting the fast charging of electric vehicles, heavy trucks, ships, and large transport vehicles. Its intelligent dynamic power allocation function optimizes power output, improves operational efficiency, and extends battery life according to the real-time state of charge (SOC) status of multiple vehicles when charging simultaneously. It is compatible with a variety of mainstream communication protocols and adapts to most electric vehicle brands on the market to ensure a stable and reliable charging process.



System Demonstration



Product Features

Customizable

Custom Individual Solutions

- Shape
- Appearance
- Power
- Languages
- Adapters
- Cable Length

Free Combination

Modular designed to flexibly expand charging power and adapt to charging scenarios, such as commercial plaza and toll station.

Top Module

Equipped with self-developed modules to reduce energy consumption, enhance efficiency, achieve faster charging experience.

Global Protocols

Fully compatible with various protocols (OCPP 1.6, OCPP 2.0.1, TCP), making to charge adapting CCS, NACS, and others.

Application Scenario



INDUSTRIAL PARK



PUBLIC CHARGING



COMMUNITY CHARGING

Data	Model	60kW	90kW	120kW	150kW	180kW	240kW	300kW	360kW
Optional	Adapters	CCS1 / CCS2 / CHAdeMO / GB/T / NACS							
	Input Voltage	480/380Vac Three-Phase Or DC							
Electrical Specification	Input Specification	3P+N+PE							
	Input Frequency	50/60Hz ($\pm 10\%$)							
	Output Voltage	150-1000Vdc							
	Output Current	150A	250A	250/400/600A				600A	
Electrical Parameter	Power Factor	≥ 0.99							
	Efficiency	$\geq 95\%$ (50%-100% load)							
	Stable Voltage Accuracy	$\leq \pm 0.5\%$							
	Stable Current Accuracy	$\leq \pm 1\%$							
Configuration	Inside Ower Module	30kW*2	30kW*3	30kW*4	30kW*5	30kW*6	30kW*8	30kW*10	30kW*12
	Network	Ethernet / WIFI / 4G							
	Communication	OCPP 1.6 / OCPP 2.0.1 / TCP							
	Touch-Display	10" Daylight Readable							
	Payment Method	RFID / POS / OCPP							
Security	Multiple Protection	Over/Under Voltage Protection, Overload Protection, Short Circuit Protection, Over/Under Temperature Protection, Surge Protection, Communication Failure.							
	MTBF	100,000 hours							
	Protection Grade	IP 54							
Working Environment	Operation Temp	-30°C to $+65^{\circ}\text{C}$ (-22°F to $+149^{\circ}\text{F}$)							
	Working Humidity	5%-95% Without Condensation							
	Working Altitude	<2000m							
	Cooling Method	Fan Cooling							
Product	Cable Length	5m (standard)							
	Warranty	2 years							
	Dimension	900*570*1650mm				950*780*2300mm			
	Net Weight	290kg	310kg	330kg	350kg	370kg	580kg	620kg	640kg

*Unique custom needs please talk to SETEC POWER