

PowerBoost

Charging Today.
Powering Tomorrow.



SETEC POWER

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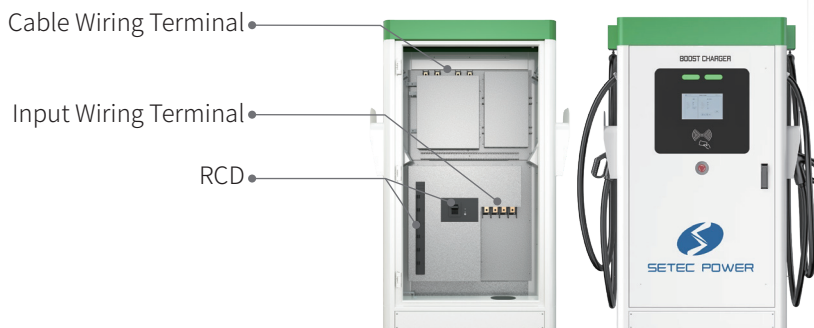
PowerBoost

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

Cataphoresis Treatment

Cataphoresis coating process provides uniform anti-corrosion protection across metal surfaces, significantly improving resistance to rust, moisture, and harsh outdoor environments.

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



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 Power 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	$< 2000\text{m}$								
	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