

Smart DC EV Charger

BEVC-480K



High-Efficiency Design

- Optimized for high-power fast-charging stations, ensuring maximum performance
- Three-phase PFC circuit (Power Factor 0.99) minimizes energy loss
- Soft-switching high-frequency power modules enhance conversion efficiency
- Innovative module dormancy and rotation ensure efficiency under varying loads



Safety Protection

- Remote OTA fast and stable upgrades
- Intelligent monitoring and fault protection ensure safe charging
- IP55 for various outdoor environments



Smart Charging

- LCD screen displays real-time charging status, time, and cost
- Digital current-sharing enhances stability and interference resistance
- Supports multiple charging modes: time-based, quantity-based, and cost-based



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Specifications

Model	BEVC-480K
AC Input Parameter	
Input Voltage	3P+N+G 380Vac $\pm$ 15%
Input Frequency	50Hz / 60Hz
Power Factor	$\geq$ 0.99
Efficiency	$\geq$ 95%
DC Output Parameter	
Output Voltage Range	DC 200Vdc ~ 1000Vdc
Output Current Range	5~1600A
Output Power	480KW
Output Voltage Tolerance	$\leq \pm 0.5\%$
User Interface	
LED Light	Power, Protection, Error
LCD Screen	7" LCD touchscreen
Activation	Mobile app, RFID card
Communication Interface	
Communication Protocol	OCPP 1.6J
Network Interface	Standard: Ethernet / Optional: 4G LTE
Appearance & Operation Condition	
Connector Type	Optional quantity of CCS1 and CCS2 (Up to 8 charging connectors)
Cable Length	5M
Cooling Method	Air cooling
Operation Temperature	-20°C ~ +40°C
IP Rating	IP55
Safety Protection	
Protection	Charging Connector Temperature Detection, Overvoltage, Under Voltage, Overload, Short Circuit, Ground, Over Temperature, Low Temperature, Insulation Monitoring, Reverse Polarity, Surge, Emergency Stop, Leakage
Emergency Button	Push button
Mechanical	
Power Cabinet Dimension (mm)	1000 (W) * 800 (D) * 2000 (H)
Charging Dispenser Dimension (mm)	650 (W) * 300 (D) * 1520 (H)
Power Cabinet Weight	<660KG
Charging Dispenser Weight	<125KG
Certification	VPC (CNS15511-1、CNS1511-23、CNS15511-24、CNS15511-21-2) Expected by 2025Q4

*Voltage Range and frequency range may vary according to specific power grid standards.