

EVCB: THE CORE CONTROL UNIT

Compact and intelligent controller for high-density DC fast chargers. Engineered for precision, built for reliability in the most demanding electric vehicle ecosystems.

[DATASHEET](#)

SYSTEM OVERVIEW



Central Control Hub

The EVCB acts as the intelligent core, managing complex communication between electric vehicles, power modules, user interfaces, and backend systems for seamless DC fast charging.



Standards & Connectivity

Supports EVPLC for CCS2 (ISO 15118 / DIN 70121) and native OCPP. Integrated 4G, Ethernet, and Wi-Fi ensure constant cloud connectivity for remote monitoring and firmware updates.



Safety & Scalability

Managing single or dual gun setups up to 240kW, EVCB provides advanced real-time monitoring and safety features, offering a reliable platform for global charging infrastructure.

⚡ Time Saving

Designed to simplify commissioning and reduce setup time significantly with pre-configured logical blocks and auto-discovery.



Easy to Use

User-friendly architecture with wide power input range for seamless integration.



Cost Effective

Single controller supporting multiple power levels and dual gun configurations.

Safe & Reliable

Advanced monitoring features ensure safe and reliable charger operation. Integrated real-time diagnostic loops prevent failure before it occurs.

99.9%
UPTIME

ISO-V
SAFETY

ENGINEERED FOR PRECISION

Specialized feature sets engineered to provide the most comprehensive control solution in the EV charging market.



WIDE INPUT SUPPLY

+9V to +30V DC @ 3A



GUN OPERATION

Single/Dual via DIP (20kW-240kW)



AUTO DETECTION

Power module auto-recognition



INTERFACES

Integrated CAN FD / CAN 2.0



TEMP SENSORS

4x PT1000 (16-bit SAR ADC)



ENCLOSURE MONITOR

Built-in thermal tracking



DIGITAL I/O

Multiple spare inputs & outputs



FEEDBACK LOOP

Output status monitoring



CURRENT MON

Integrated high-precision current



ENERGY METERING

Class 0.5 via Modbus



HMI PORT

RS232 interface integration



OTA UPDATES

Secure remote firmware updates



SIMPLE CONFIG

Single file commissioning



LED OUTPUTS

Dual RGB (7A drive capability)



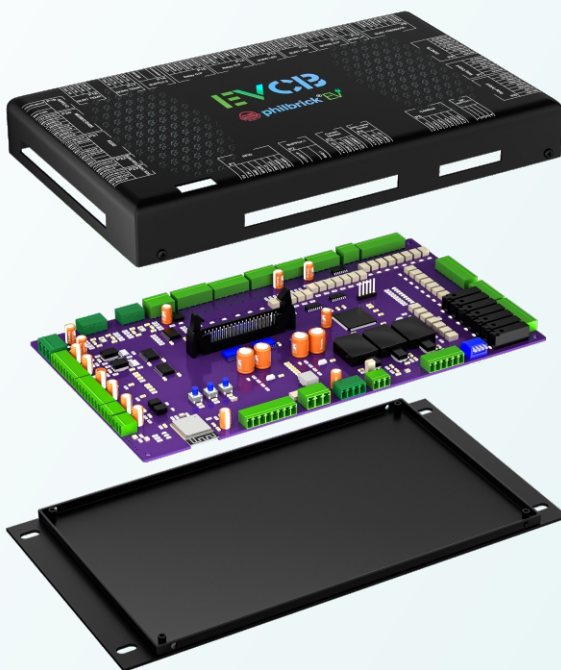
CONNECTIVITY

4G, Ethernet (10/100), Wi-Fi

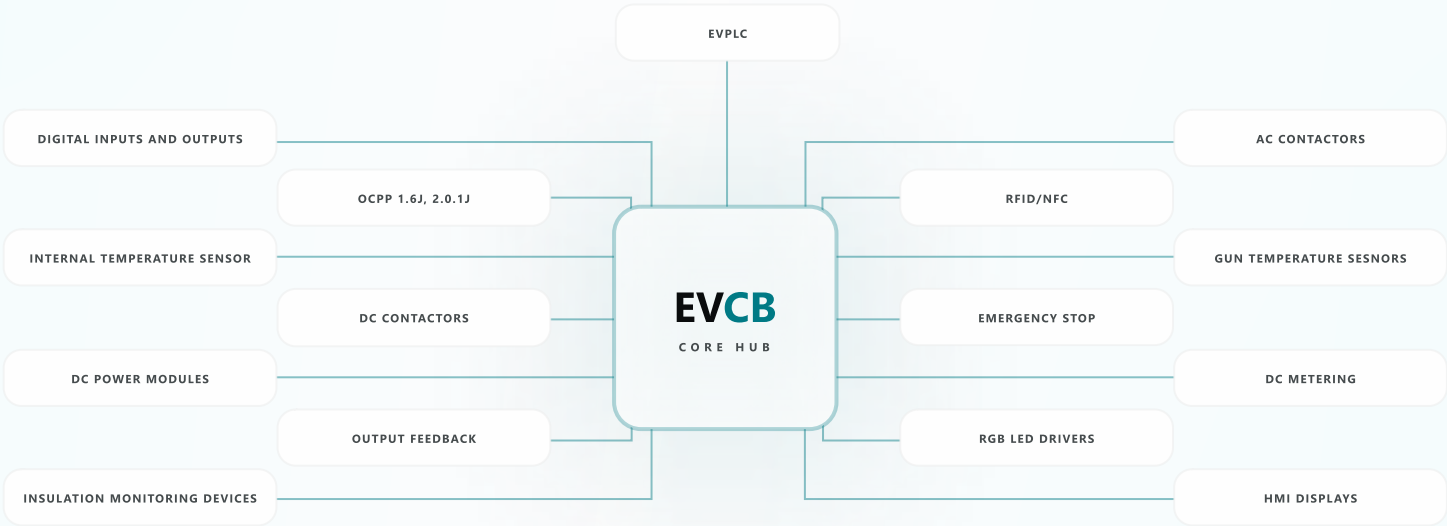


AUTH LOGIC

RFID / NFC (PN532)



SYSTEM ARCHITECTURE



RELIABILITY & LONGEVITY

PRODUCT WARRANTY

5+ Years*

OPERATIONAL LIFESPAN

15+ Years*

*Terms and conditions apply based on operating environment, usage patterns, and proper installation protocols.

TECHNICAL SPECIFICATIONS

POWER & PERFORMANCE		COMMUNICATION & INTERFACE	
INPUT SUPPLY	+9V to +30V DC @ 3A	INTERFACES	CAN FD, CAN 2.0
GUN CONFIGURATION	Single / Dual (DIP)	HMI INTERFACE	RS232
POWER RANGE	20kW to 240kW	CONNECTIVITY	4G, Eth, Wi-Fi
MODULE DETECTION	Automatic Dynamic	AUTHENTICATION	RFID / NFC (PN532)
MONITORING & SENSORS		SYSTEM CONTROL	
TEMP SENSORS	4 × PT1000 (Guns)	DIGITAL I/O	Multiple (Config)
ENVIRONMENT	Ambient, Enclosure	METERING	Class 0.5 (Modbus)
CURRENT MON.	Integrated High-Prec.	FIRMWARE UPDATE	Secure OTA
OUTPUT FEEDBACK	Full Status Loop	COMMISSIONING	Single File Config
		LED INDICATION	Dual RGB (7A)
PHYSICAL			
MECHANICAL DIMENSIONS		32 × 14 × 4 cm	

PARTNER WITH EXCELLENCE

CONTACT US

Providing high-precision control
solutions and engineering support for the global EV infrastructure.



TECHNICAL SUPPORT

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SALES & INQUIRY

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