



We offer an L2 Electric Vehicle charger equipped with support for both Open Loop and Closed Loop payment systems. Our charger features an interactive user interface that enhances the overall experience for both network providers and end users.

# Electric Vehicle Charger

**CHARGNEX**



## Features



Open Loop / Close Loop  
Payment System Support



Level 2 Smart EV  
Charger



Various Communication  
Interfaces



Easy to Install Indoor &  
Outdoor



Compatible with all EVs and  
PHEVs sold in North America

Our solution includes a comprehensive multi-party structure back office. This robust back-office system optimizes revenue generation for network operators, location owners, and charger hardware providers.




**Specification**

<b>Electrical Properties</b> Supply Voltage Current Charging Interface / Plug  Charging Mode / Type	3 Phase 100 - 240 VAC Fast charging and adjustable amperage: 40A, 32A, 24A, 16A Type 2 (SAE J3068) (IEC 62196-2) J1722 Charging Plug and 14-inch 14-50P plug input cable Mode 2&3 / Type 2
<b>Protection</b> Internal RCD Electrical Protection Automatic Recovery	Type B RDC Over Current, Short Circuit, Ground Fault Automatically resume charging without user intervention
<b>EV &amp; CMS Communication</b> SECC to EVCC EVSE to CMS Connectivity Interfaces	PWM (EN/IEC 61851), PLC (ISO 15118) OCPP 1.6J 10/100 Mbps Ethernet, 4G/LTE, WiFi, Bluetooth Isolated IN/OUT, RS485, USB, and CAN FD2.0
<b>User Interface &amp; Control</b> CPU Display Memory  Card Type Support  EMV Compliance  SAM Interface Charger Configuration Audio OS	NXP i.MX8M Mini: Arm® 4 x Cortex®-A53 CPU @1.5GHz 7 inch wide color display screen vandal proof with capacitive touch RAM Support : 1 - 4 GB, eMMC (in built ) : 4 GB – 32 GB 64 GB SDCard Support ISO/IEC 14443-A/B, ISO 18092 (NFC), Sony FeliCa, CiPURSE, MiFARE, DESFire, ISO 15693 L1 V3.0a & L2 certified (Master, Visa, Discover American Express, Rupay) PCI PTS 5.x, SRE 4 x on board, 4 x optional slots on reader CMS and Capacitive touch screen Speaker / Buzzer Linux / Android
<b>Environment</b> Operating Temperature Humidity	-30 °C to +70 °C <95% relative humidity
<b>Mechanical Design</b> Cable Ingress Protection Compliance	NEMA 14-50 Plug with upto 24 Feet Premium Cable IP67 water-resistant, fire-resistant IK08 according to IEC 62262, CE, ROHS, REACH


**Mechanical**  
 IP67,IK08


**Compliance**  
 IEC62262, CE,ROHS,REACH