VIJAY GROUP OF COMPANIES

EV Charging Products and Solutions
# Range of EV Chargers

<table>
<thead>
<tr>
<th>Serial No.</th>
<th>Product Name</th>
<th>Technical Description</th>
<th>Communication Protocols</th>
<th>Dimension in L x H x D</th>
<th>Product Picture</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16AAC Delta EVC</td>
<td>230V Single Phase AC Charger 16 A with IEC 62196-2 Type 2 Socket</td>
<td>Ethernet, SNMP, with RFID Authentication</td>
<td>350 x 400 x 126 mm</td>
<td><img src="image_url1" alt="Product Picture" /></td>
</tr>
<tr>
<td>2</td>
<td>32AAC Delta EVC Wi-Fi</td>
<td>230V Single Phase AC Charger 32 A with IEC 62196-2 Type 1 Socket</td>
<td>Wi-Fi / Wirepas, OCPP 1.5, with RFID Authentication</td>
<td>260 x 320 x 115 mm</td>
<td><img src="image_url2" alt="Product Picture" /></td>
</tr>
<tr>
<td>3</td>
<td>25 kW DC Wallbox, Dual DC Output with CHAdeMO and CCS</td>
<td>Input Single / Three Phase, 50/60 Hz Output CCS (200 - 500 VDC) CHAdeMO (50 - 500 VDC ), 60A Max, 25kW Max.</td>
<td>3G, Wi-Fi, OCPP, with RFID Authentication</td>
<td>680 x 430 x 230 mm</td>
<td><img src="image_url3" alt="Product Picture" /></td>
</tr>
<tr>
<td>4</td>
<td>50 kW DC Quick Charger, Dual DC Output with CHAdeMO and CCS</td>
<td>Input Three Phase, 50/60 Hz Output CCS (200 - 500 VDC) CHAdeMO (50 - 500 VDC ), 125A Max, 25kW Max.</td>
<td>Ethernet, Optional 3G, OCPP, with RFID Authentication</td>
<td>900 x 1700 x 600 mm</td>
<td><img src="image_url4" alt="Product Picture" /></td>
</tr>
<tr>
<td>5</td>
<td>150 kW Ultra Fast Charger(4 in 1) Dual AC + Dual DC Output with 2 AC O/P, CHAdeMO and CCS.</td>
<td>Input Three Phase, 50/60 Hz Output CCS (Up to 100kW) CHAdeMO (Up to 63kW ), Output Voltage Range 175 to 500 VDC, AC 43kW with Type 2 Plug and 22kW with Type 2 Socket</td>
<td>Ethernet, 3G, GPRS, OCPP 1.5, with RFID Authentication</td>
<td>852 x 2079 x 998 mm</td>
<td><img src="image_url5" alt="Product Picture" /></td>
</tr>
</tbody>
</table>
EV Charger Architecture

Connectivity
- Ethernet
- Wi-Fi
- Mesh

Authentication
- RFID (Radio-frequency identification)

Application Server
- SMS Server
- Mobile APP
- Payment Gateway

Protocols
- SNMP
- OCPP
Data Network Flow Diagram

- EVC Site Management Server
- VPN Connectivity
- Internet
- Mobile App
- Customer Back Office
- SG2 Cellular Gateway
- Ethernet LAN Network
- Wi-Fi LAN Network
- Wirepas Mesh Network
- Payment Gateway
- Ethernet EV Charger With SNMP Protocol Supported
- Wireless EV Charger With OCPP Protocol Supported
Basic Flow Diagram

- Power Station
- Mobile APP
- Internet Cloud
- Site Management Server
- Local LAN
- Charging Station
- Billing
- Invoice Information
- Charging Status
- Information of customer Billing

Flow Diagram Overview:
- Power Station connects to Charging Station
- Mobile APP interacts with Internet Cloud and Site Management Server
- Mobile APP provides access to Billing
- Billing information is processed through the Internet Cloud and Site Management Server
- Local LAN connects the Internet Cloud and Site Management Server
- Charging Station and Power Station communicate through Local LAN
- Information of customer Billing is processed and communicated through the Mobile APP and Internet Cloud.
Application Features Flow

- **PV System**
  - LED Lighting
- **Power Generation**
- **Metering & EMS**
- **Power Transmission**
- **Power Distribution**
- **EV Chargers**
  - Site Management System (SMS)
- **Multi-site Cloud-based Charging Network Management System**
  - Backend systems incl. user access control, payment, billing, building automation, etc.
- **User portal & Mobile app**
  - Cloud server to payment gateways
  - Billing & Charging history
  - POS integration for stations
  - Information on nearest charging stations
Site Management Server Features

SMS Features

- Real-time charging information
- Remote start / stop
- Event log
- Daily / monthly usage

User ID, Start time
Cost per energy, duration and times

Power profile setting for Demand Response

Languages of UI
Unit price setting

User authentication
Charger status & location
Remote start / stop
Charging information
Notification