# Electrifying the way you drive

Chelion America

# iLink

EV Chargers

www.chelion.us

# About Us

We provide access to Global Leading Storage Solutions by integrating energy management technology with domestic & international market resources.

# Supporting a sustainable future through the power of affordable renewable energy.

Chelion America is an expert in engineering, design and integration of Energy Storage solutions for residential, commercial and utility applications. Our services and products enable the further increase in the use of renewable energy and optimal function of energy systems. We will support your projects not only economically through energy cost savings but also provide backup during grid outages. Chelion America is located in Silicon Valley and the Chelion group has offices all over the world with the headquarters located in Shanghai. The Asia Pacific region is forecast to have the largest uptake in energy storage systems.

# Enjoy Your Charging

Chelion aims to provide user-friendly solutions for EV charging in different scenarios, such as urban streets, intercity roads and car parks, for multiple or single users. Chelion's product portfolio offers a wide product range that covers slow charging (AC) and fast charging (DC).

# iLink-AC-50S-MUS

**iLink-AC-50S-MUS series, designed to cover all electric vehicle charging demands in public and private settings alike, not only has the great durability and an easy-to -use design been taken into account, but also remaining affordable.**

Excellent industrial design brings pleasant user experience.

Connect to any backend based on OCPP 1.6J protocol.

Support 4G, Wifi, Ethernet, RS485.

# Technical Data

| General Information | | | |
|---|---|---|---|
| Charging Mode | Mode 3 (IEC 61851-1) | | |
| Type | iLink-AC-32S-MUS | iLink-AC-40S-MUS | iLink-AC-50S-MUS |
| Input/Output Power&Current Rating | 7.68kW/32A max. | 9.6kW/40A max. | 11.5kW/50A max. |
| Input/Output Voltage Rating | 208-240Vac, Single phase, 60Hz, L1+L2+PE | | |
| Charging Interface | 1 x SAE J1772 & UL 2251 | | |
| Metering | Onboard metering chip, Accuracy: Class 1 | | |
| Internal GFCI | CCID20 | | |
| Protection | Overcurrent, Overvoltage, Undervoltage, Residual current, Short circuit, Over temperature, Ground fault, Integrated surge protection | | |
| **User Interface** | | | |
| Display & Support Languages | No display | | |
| Status Indication | LED Ring | | |
| Button and Switch | No emergency button | | |
| RFID Reader | ISO/IEC 14443 A/B | | |
| **Communication** | | | |
| Network Interface | 4G, WIFI, Ethernet, RS485 | 4G, WIFI, Ethernet, RS485 | 4G, WIFI |
| Protocol (EVSE&Backend) | OCPP 1.6J | | |
| Protocol (EVSE&EV) | Control pilot (default), ISO 15118 (optional) | | |
| **Environmental** | | | |
| Operating Temperature | -22°F to 122°F | | |
| Storage Temperature | -40°F to 185°F | | |
| Humidity | 5% to 95% no condensation | | |
| Altitude | ⩽6561ft above sea level | | |
| **Mechanical** | | | |
| NEMA enclosure | Type 3S | | |
| IK Rating | IK10 | | |
| Cooling | Passive cooling | | |
| Charging Cable Length | 16.4 ft | | |
| Dimensions (WxHxD) | 11.1*16.1*5.8 inch | | |
| Weight | Approx. 14.3 lb (excluding pole) | | |
| Installation | Wall mounting, Pole mounting (Pole is optional) | | |
| **Certification and standards** | | | |
| Standards and compliance | UL 2231-2, UL 2231-1, UL 2594, FCC Part 15 | | |
| Certification | UL | | |

Note: Pictures are for reference only, please prevail in kind.

# iLink-DC-303-MUS

**iLink-DC-303-MUS series, designed to improve charging speed and reduce investment, maintain high charging power in the typical compact AC format, making it possible to supply 30 kW of DC power to all electric vehicles. It is available in two formats, depending on the installation: Wall-box and post.**

- Over 94% peak efficiency & 100A high output current.
- Connect to any backend based on OCPP 1.6J protocol.
- 7 inches LCD Touch Panel & RFID card reader.
- Robust all-weather enclosure for indoor and outdoor use.

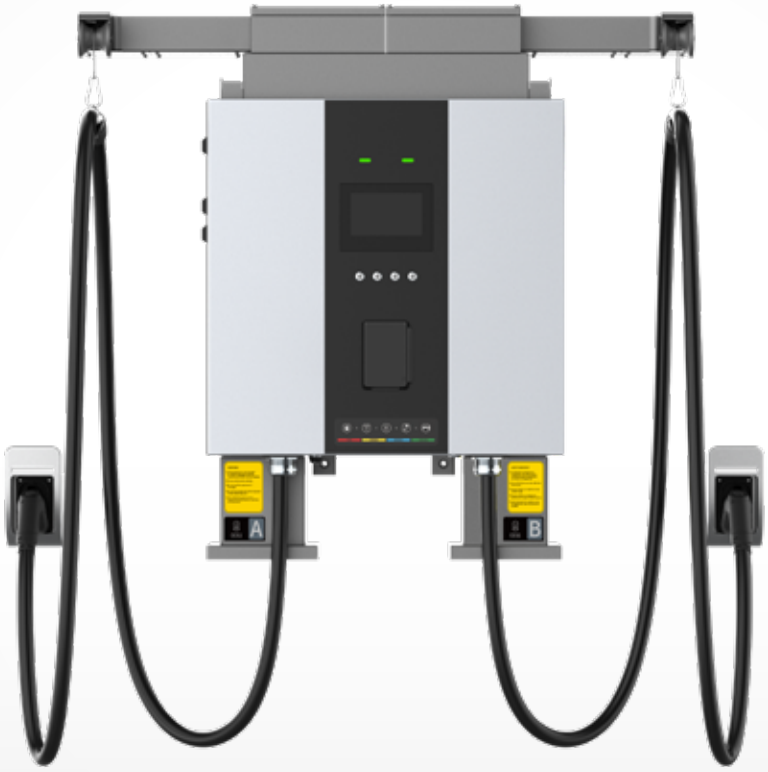
# Technical Data

| General Information | |
|---|---|
| Input Rating | 480Vac±10%, 3 phases, 50/60Hz, L1+L2+L3+N+PE |
| Power Factor | ≥0.98 @ Full Load |
| Efficiency | ≥94% @ Full Load (Peak) |
| Output Interface | 1 x CCS1 |
| Output Power | 30kW max. |
| Output Voltage | 150-1000Vdc |
| Output Current | 100A max. |
| **User Interface** | |
| Display | 7 inches touch screen |
| Support Language | English (Other languages available upon request) |
| Button and Switch | Emergency button |
| RFID Reader | ISO/IEC 14443 A/B, ISO/IEC 18092, IEC/ISO 15693 |
| **Communication** | |
| Network Interface | 4G, Wifi, Ethernet |
| Protocol (EVSE&Backend) | OCPP 1.6J |
| Protocol (EVSE&EV) | DIN70121, ISO 15118 |
| **Environmental** | |
| Operating Temperature | -31°F to 122°F |
| Storage Temperature | -40°F to 158°F |
| Humidity | 5% to 95% no condensation |
| Altitude | ≤6561ft above sea level |
| **Mechanical** | |
| NEMA enclosure | Type 3R |
| IK Rating | IK10 (Screen is IK08) |
| Cooling | Forced air cooling |
| Charging Cable Length | 16.4 ft |
| Dimensions (WxHxD) | 26.7*17.3*11.2 inch |
| Weight | Approx. 66 lb (excluding power modules) |
| Installation | Wall mounting, Pole mounting (Pole is optional) |
| **Certification and standards** | |
| Standards and compliance | FCC part 15 Class A, UL 2202, UL 2231-1, UL 2231-2 |
| Certification | UL |

Note: Pictures are for reference only, please prevail in kind.

# iLink-DC-603-MUS

**iLink-DC-603-MUS series, designed to reduce charging times for electric vehicles with larger batteries, has been launched as a fast-charging solution that is perfect for small private locations and features two models for wall or floor installation (wall-box and post).**




- Over 94% peak efficiency & 200A high output current.
- Connect to any backend based on OCPP 1.6J protocol.
- Installation space-saving: support wall-mounted installation, only 350mm thickness of the wall box.
- Equipped cable management system. (Optional)

# Technical Data

| General Information | |
|---|---|
| Input Rating | 480Vac±10%, 3 phases, 50/60Hz, L1+L2+L3+PE |
| Power Factor | ≥0.98 @ Full Load |
| Efficiency | ≥94% @ Full Load (Peak) |
| Output Interface | CCS1+CCS1 or CCS1+CHAdeMO |
| Output Power | 60kW max. |
| Output Voltage | 200-1000Vdc |
| Output Current | CCS1: 200A max./connector, CHAdeMO: 125A max./connector |
| **User Interface** | |
| Display | 7 inches touch screen |
| Support Language | English (Other languages available upon request) |
| Button and Switch | Mechanical Buttons & Emergency Button |
| RFID Reader | ISO/IEC 14443 A/B, ISO/IEC 18092, IEC/ISO 15693 |
| **Communication** | |
| Network Interface | 4G, Wifi, Ethernet |
| Protocol (EVSE&Backend) | OCPP 1.6J |
| Protocol (EVSE&EV) | DIN70121, ISO 15118 |
| **Environmental** | |
| Operating Temperature | -22°F to 122°F |
| Storage Temperature | -40°F to 158°F |
| Humidity | 5% to 95% no condensation |
| Altitude | ≤6561ft above sea level |
| **Mechanical** | |
| NEMA enclosure | Type 3R |
| IK Rating | IK10 (Screen is IK08) |
| Cooling | Forced air cooling |
| Charging Cable Length | 14.7 ft |
| Dimensions (WxHxD) | 29.5*29.5*14.9 inch |
| Weight | Approx. 275 lb (including power modules) |
| Installation | Wall mounting, Pole mounting (Pole is optional) |
| **Certification and standards** | |
| Standards and compliance | FCC part 15 Class A, UL 2202, UL 2231-1, UL 2231-2 |
| Certification | UL |

Note: Pictures are for reference only, please prevail in kind.

# iLink-DC-304-MUS

Available in 2023

**The power and performance of the ilink-DC-304-MUS make it perfect for highly vehicle-dense areas, such as highways, EV charging stations, and vehicle dominated urban areas. It offers extremely fast charging even when simultaneously charging four EVs, reducing queues and alleviating overcrowding at charging stations.**

200-1000Vdc wide output voltage range.

Max. 300A output current.

Easier to access the charger when performing maintenance and repairs; more space for vehicles.

Great scalability, up to 4 charging points per power cabinet. Support multiple cabinets connected together.

# Technical Data

| User Unit | | | |
|---|---|---|---|
| Rendering |  |  |  |
| Output Interface | 1 x CCS1 | CCS1 + CHAdeMO | 2 x CCS1 |
| Output Power | 300kW max. | CCS1: 300kW max.<br>CHAdeMO: 100kW max. | 300kW max. |
| Output Voltage | 200-1000Vdc | CCS: 200-1000Vdc<br>CHAdeMO: 200-500V | 200-1000Vdc |
| Output Current | 300A max. | CCS: 300A max.<br>CHAdeMO: 200A max. | 300A max. |
| Simultaneous Charging | N/A | Yes | Yes |
| Display | 10.4 inches touch screen | | |
| Protocol (EVSE&Backend) | OCPP 1.6J | | |
| Protocol (EVSE&EV) | DIN 70121, ISO 15118 | | |
| Operating Temperature | -22°F to 131°F (Derating over 122°F) | | |
| Storage Temperature | -40°F to 158°F (RH 5% to 85%) | | |
| Humidity | 5%-95% no condensation | | |
| Altitude | ⩽9842 ft above sea level (Derating over 6561ft) | | |
| IP Rating | IP55/NEMA 3R | | |
| IK Rating | IK10 (Screen IK08) | | |
| Cooling | Forced air cooling | | |
| Charging Cable Length | 16.4 ft | | |
| Dimensions (WxHxD) | 24.4*102.2*17.7 inch (without cable management system)<br>37.4*102.2*17.7 inch (with dual cable management system) | | |
| Weight | Approx. 529 lb | Approx. 577 lb | Approx. 577 lb |
| Installation | Ground mounting | | |

| Power Cabinet | |
|---|---|
| Input Rating | 480Vac±10%, 3 phases, 50/60Hz, L1+L2+L3+N+PE (Support without Neutral) |
| Power Factor | ⩾0.98 @ Full Load |
| Efficiency | ⩾94% @ Full Load (Peak) |
| Output Power | 240kW max. (180kW max. optional) |
| Output Voltage | 200-1000Vdc |
| Output Current | 500A max./Channel |
| Output Channel | 4 Channels max. |
| Operating Temperature | -22°F to 131°F (Derating over 122°F) |
| Storage Temperature | -40°F to 158°F (RH 5% to 85%) |
| Cooling | Forced air cooling |
| Dimensions (WxHxD) | 41.3*80.7*29.5 inch |
| Weight | Approx. 771 lb (Without power modules) |
| Certificate | UL |

Note: Pictures are for reference only, please prevail in kind.

# iLink-DC-484-MUS

Available in 2023

**iLink-DC-484-MUS series, On the basis of 300 kW chargers, this series provides greater charging power to meet the needs of electric vehicles that increase charged energy and shorten charging time by using liquid cooling connectors. Liquid cooling system ensures heat dissipation under high current charging conditions and achieves higher power density.**

- Max. 500A output current with liquid cooling system.
- Easier to access the charger when performing maintenance and repairs; more space for vehicles.
- 200-1000Vdc wide output voltage range.
- Support multiple cabinets connected together.

| User Unit | | | |
|---|---|---|---|
| Rendering |  |  |  |
| Output Interface | 1 x CCS1 | CCS1 + CHAdeMO | 2 x CCS1 |
| Output Power | 480kW max. | CCS1: 480kW max.<br>CHAdeMO: 200kW max. | 480kW max. |
| Output Voltage | 200-1000Vdc | 200-1000Vdc | 200-1000Vdc |
| Output Current | 500A max. Liquid | CCS: 500A max. Liquid<br>CHAdeMO: 200A max. | 500A max. Liquid |
| Simultaneous Charging | N/A | Yes | Yes |
| Display | 10.4 inches touch screen | | |
| Protocol (EVSE&Backend) | OCPP 1.6J | | |
| Protocol (EVSE&EV) | DIN 70121, ISO 15118 | | |
| Operating Temperature | -22°F to 131°F (Derating over 122°F) | | |
| Storage Temperature | -49°F to 158°F (RH 5% to 85%) | | |
| Humidity | 5%-95% no condensation | | |
| Altitude | ⩽9842 ft above sea level (Derating over 6561 ft) | | |
| IP Rating | IP55/NEMA 3R | | |
| IK Rating | IK10 (Screen IK08) | | |
| Cooling | Liquid Cooling | | |
| Charging Cable Length | 16.4 ft | | |
| Dimensions (WxHxD) | 24.4*102.2*17.7 inch (without cable management system)<br>37.4*102.2*17.7 inch (with dual cable management system) | | |
| Weight | Approx. 529 lb | Approx. 577 lb | Approx. 577 lb |
| Installation | Ground mounting | | |

| Power Cabinet | |
|---|---|
| Input Rating | 480Vac±10%, 3 phases, 50/60Hz, L1+L2+L3+N+PE (Support without Neutral) |
| Power Factor | ⩾0.98 @ Full Load |
| Efficiency | ⩾94% @ Full Load (Peak) |
| Output Power | 240kW max. (180kW max. optional) |
| Output Voltage | 200-1000Vdc |
| Output Current | 500A max./Channel |
| Output Channel | 4 Channels max. |
| Operating Temperature | -22°F to 131°F (Derating over 50°C) |
| Storage Temperature | -40°F to 158°F (RH 5% to 85%) |
| Cooling | Forced air cooling |
| Dimensions (WxHxD) | 41.3*80.7*29.5 inch |
| Weight | Approx. 771 lb (Without power modules) |
| Installation | Ground mounting |
| Certificate | UL |

Note: Pictures are for reference only, please prevail in kind.

# We are a Global Leader in Energy Solutions


**www.chelion.us**

## Locations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