

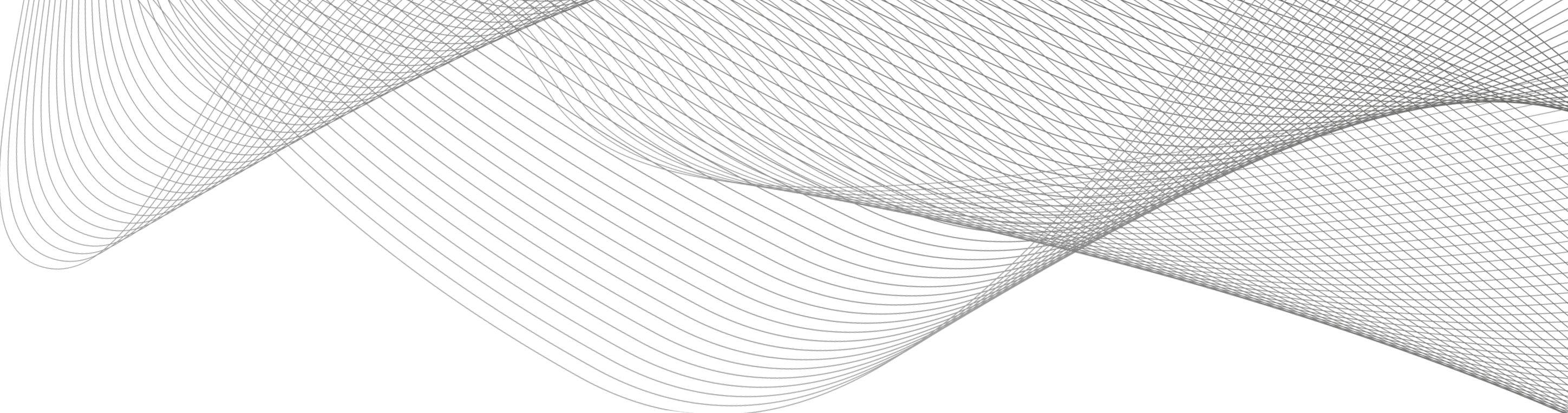
EV CHARGING SOLUTIONS

# Powering the Next Move.

Commercial | Fleet | Public Infrastructure



\*Image is for representative purposes only



# ChargeA2Z

**ChargeA2Z is Alric Electric's EV charging ecosystem, designed to make electric mobility simple, accessible, and reliable. From residential charging solutions to commercial and public charging infrastructure, ChargeA2Z delivers end-to-end charging solutions for every stage of the EV journey. Built on Alric electric's commitment to engineering excellence and innovation, ChargeA2Z aims to provide safe, smart, and dependable charging experiences while supporting the transition towards a cleaner and more sustainable future.**

**The name ChargeA2Z reflects our vision of providing complete EV charging solutions from A to Z. Whether it's charging at home, workplaces, commercial establishments, fleets, or public charging networks, ChargeA2Z is designed to address every charging requirement through a comprehensive range of products, services, and solutions. The name represents simplicity, convenience, and our commitment to making EV charging accessible to everyone.**

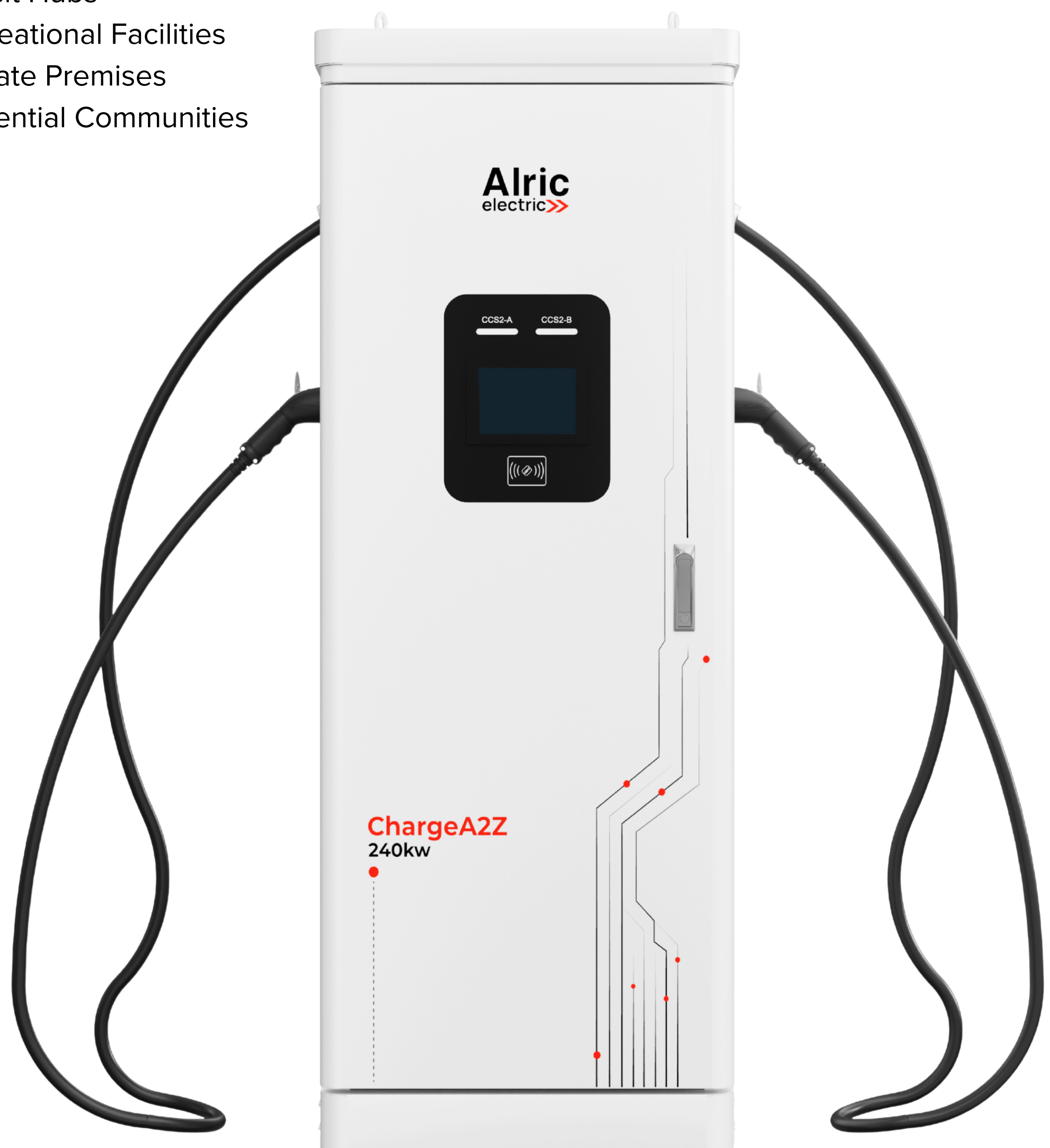
## PRODUCT OVERVIEW:

Designed for reliable and efficient EV charging, the Alric electric DC Fast Charging Station delivers up to 30 - 240kW DC output power and is compatible with all electric vehicles supporting the CCS2 charging standard.

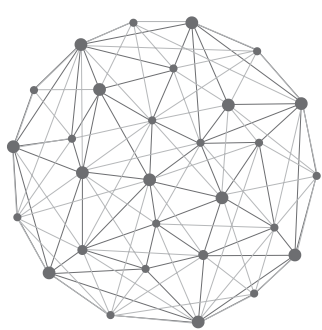
With a simple user authentication process, charging begins instantly upon connecting the CCS2 connector to the vehicle, ensuring a fast, safe, and seamless charging experience. The intuitive LCD provides real-time charging status and progress updates, while the charging session can be automatically completed or manually terminated by the user at any time.

## Ideal Applications

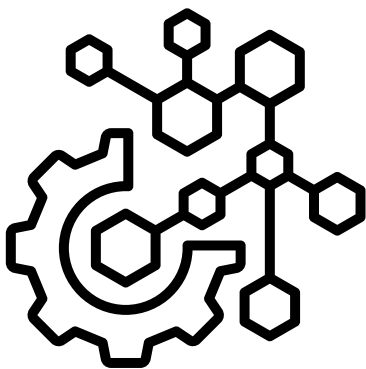
- Shopping Malls & Commercial Complexes
- Multiplexes, Theatres & Supermarkets
- Highway Fuel Stations & Transit Hubs
- Hospitals, Public Parks & Recreational Facilities
- Hotels, Fitness Centres & Private Premises
- Corporate Campuses & Residential Communities



Benefits:



- Operates reliably in high temperatures
  - Handles voltage fluctuations
  - Dust and weather-resistant design
- OCPP compliant
  - Remote monitoring and diagnostics
  - Mobile app and payment integration
  - OTA software updates



- Power modules can be serviced individually
- Faster maintenance
- Higher uptime
- Lower lifecycle costs

Charging Time for Different Battery Sizes

| Battery size | 30kW         | 60kW       | 120kW      | 240kW      |
|--------------|--------------|------------|------------|------------|
| 30kW         | 30-40 mins   | 15-20 mins | 8-12 mins  | 5-8 mins   |
| 60kW         | 70- 90 mins  | 35-45 mins | 18-25 mins | 10-15 mins |
| 100kW        | 120-150 mins | 60-70 mins | 30-40 mins | 15-25 mins |

" We provide intelligent DC fast-charging solutions from 30 kW to 120 kW, enabling fleets, charging operators, fuel stations, commercial properties, and highway networks to deploy reliable, scalable, and future-ready EV infrastructure."

Technical Specification

| Parameters                          | Description                                                |
|-------------------------------------|------------------------------------------------------------|
| Catalogue number                    | BA28ZT1                                                    |
| Input                               | 400VAC / 480VAC (3P+N+PE) , 50/60Hz                        |
| Output voltage                      | 200 - 1000VDC                                              |
| Output current                      | CCS2 - 100A                                                |
| Connectors                          | CCS2 Type Single gun                                       |
| Parallel charger mode               | 30 kW per Port                                             |
| Efficiency                          | ≥94% at nominal output power                               |
| Power factor                        | > 0.98                                                     |
| Operating temperature               | -30°C to 55°C                                              |
| Altitude                            | < 2000m                                                    |
| Working   Storage humidity          | ≥95% RH    ≥99% RH (Non-condensing)                        |
| Display                             | 7" LCD with touch screen                                   |
| RFID system                         | ISO/IEC 14443A/B                                           |
| Dimensions pillar (LxDxH)           | 630mm x 260mm x 1600mm                                     |
| Dimensions wall (LxDxH)             | 630mm x 260mm x 750mm                                      |
| Ingress Protection                  | IP54   IK10                                                |
| Power Electronics Cooling           | Force Air Cooled                                           |
| Insulation (input - output)         | > 2.5kV                                                    |
| Charging protocol standards         | Mode 4 - IEC-61851, ISO-15118, DIN 70121 2023              |
| Length of charging cable            | 5m                                                         |
| Communication protocol              | OCPP 1.6J                                                  |
| Access control                      | RFID: ISOJEC 14443A/B                                      |
| Communication                       | Ethernet - Standard    3G/4G Modem (Optional)              |
| Electrical safety GFCI              | RCD 30 mA Type A                                           |
| Electrical safety. Surge protection | 20kA                                                       |
| Electrical safety general           | Over Voltage, Under Voltage, Over Current                  |
| Electrical safety: Output short     | Output power disabled when output is short circuited       |
| Electrical safety temperature       | Temperature Sensors @ Charge Coupler and Power Electronics |
| Emergency stop                      | Emergency Stop Button Disables Output Power                |
| Weight                              | 100kgs                                                     |

Technical Specification

| Parameters                          | Description                                                |
|-------------------------------------|------------------------------------------------------------|
| Catalogue number                    | BA29ZT1                                                    |
| Input                               | 400VAC / 480VAC (3P+N+PE) , 50/60Hz                        |
| Output voltage                      | 200 - 1000VDC                                              |
| Output current                      | CCS2 - 100A                                                |
| Connectors                          | CCS2 Type Dual gun                                         |
| Parallel charger mode               | 30 kW per Port, 2 ports                                    |
| Efficiency                          | ≥94% at nominal output power                               |
| Power factor                        | > 0.98                                                     |
| Operating temperature               | -30°C to 55°C                                              |
| Altitude                            | < 2000m                                                    |
| Working   Storage humidity          | ≥95% RH    ≥99% RH (Non-condensing)                        |
| Display                             | 7" LCD with touch screen                                   |
| RFID system                         | ISO/IEC 14443A/B                                           |
| Dimensions pillar (LxDxH)           | 550 x 650 x 1950                                           |
| Ingress Protection                  | IP54   IK10                                                |
| Power Electronics Cooling           | Force Air Cooled                                           |
| Insulation (input - output)         | > 2.5kV                                                    |
| Charging protocol standards         | Mode 4 - IEC-61851, ISO-15118, DIN 70121 2023              |
| Length of charging cable            | 5m                                                         |
| Communication protocol              | OCPP 1.6J                                                  |
| Access control                      | RFID: ISOJEC 14443A/B                                      |
| Communication                       | Ethernet - Standard    3G/4G Modem (Optional)              |
| Electrical safety GFCI              | RCD 30 mA Type A                                           |
| Electrical safety. Surge protection | 20kA                                                       |
| Electrical safety general           | Over Voltage, Under Voltage, Over Current                  |
| Electrical safety: Output short     | Output power disabled when output is short circuited       |
| Electrical safety temperature       | Temperature Sensors @ Charge Coupler and Power Electronics |
| Emergency stop                      | Emergency Stop Button Disables Output Power                |
| Weight                              | 180kgs                                                     |

Technical Specification

| Parameters                          | Description                                                |
|-------------------------------------|------------------------------------------------------------|
| Catalogue number                    | BA30ZT1                                                    |
| Input                               | 400VAC / 480VAC (3P+N+PE) , 50/60Hz                        |
| Output voltage                      | 200 - 1000VDC                                              |
| Output current                      | CCS2 - 100A                                                |
| Connectors                          | CCS2 Type Dual gun                                         |
| Parallel charger mode               | 30 kW per Port, 4 ports                                    |
| Efficiency                          | ≥94% at nominal output power                               |
| Power factor                        | > 0.98                                                     |
| Operating temperature               | -30°C to 55°C                                              |
| Altitude                            | < 2000m                                                    |
| Working   Storage humidity          | ≥95% RH    ≥99% RH (Non-condensing)                        |
| Display                             | 7" LCD with touch screen                                   |
| RFID system                         | ISO/IEC 14443A/B                                           |
| Dimensions pillar (LxDxH)           | 550 x 650 x 1950                                           |
| Ingress Protection                  | IP54   IK10                                                |
| Power Electronics Cooling           | Force Air Cooled                                           |
| Insulation (input - output)         | > 2.5kV                                                    |
| Charging protocol standards         | Mode 4 - IEC-61851, ISO-15118, DIN 70121 2023              |
| Length of charging cable            | 5m                                                         |
| Communication protocol              | OCPP 1.6J                                                  |
| Access control                      | RFID: ISOJEC 14443A/B                                      |
| Communication                       | Ethernet - Standard    3G/4G Modem (Optional)              |
| Electrical safety GFCI              | RCD 30 mA Type A                                           |
| Electrical safety. Surge protection | 20kA                                                       |
| Electrical safety general           | Over Voltage, Under Voltage, Over Current                  |
| Electrical safety: Output short     | Output power disabled when output is short circuited       |
| Electrical safety temperature       | Temperature Sensors @ Charge Coupler and Power Electronics |
| Emergency stop                      | Emergency Stop Button Disables Output Power                |
| Weight                              | 210kgs                                                     |

Technical Specification

| Parameters                          | Description                                                |
|-------------------------------------|------------------------------------------------------------|
| Catalogue number                    | BA31ZT1                                                    |
| Input                               | 400VAC / 480VAC (3P+N+PE) , 50/60Hz                        |
| Output voltage                      | 200 - 1000VDC                                              |
| Output current                      | CCS2 - 100A                                                |
| Connectors                          | CCS2 Type Dual gun                                         |
| Parallel charger mode               | 30 kW per Port, 6 ports                                    |
| Efficiency                          | ≥94% at nominal output power                               |
| Power factor                        | > 0.98                                                     |
| Operating temperature               | -30°C to 55°C                                              |
| Altitude                            | < 2000m                                                    |
| Working   Storage humidity          | ≥95% RH    ≥99% RH (Non-condensing)                        |
| Display                             | 7" LCD with touch screen                                   |
| RFID system                         | ISO/IEC 14443A/B                                           |
| Dimensions pillar (LxDxH)           | 550 x 650 x 1950                                           |
| Ingress Protection                  | IP54   IK10                                                |
| Power Electronics Cooling           | Force Air Cooled                                           |
| Insulation (input - output)         | > 2.5kV                                                    |
| Charging protocol standards         | Mode 4 - IEC-61851, ISO-15118, DIN 70121 2023              |
| Length of charging cable            | 5m                                                         |
| Communication protocol              | OCPP 1.6J                                                  |
| Access control                      | RFID: ISOJEC 14443A/B                                      |
| Communication                       | Ethernet - Standard    3G/4G Modem (Optional)              |
| Electrical safety GFCI              | RCD 30 mA Type A                                           |
| Electrical safety. Surge protection | 20kA                                                       |
| Electrical safety general           | Over Voltage, Under Voltage, Over Current                  |
| Electrical safety: Output short     | Output power disabled when output is short circuited       |
| Electrical safety temperature       | Temperature Sensors @ Charge Coupler and Power Electronics |
| Emergency stop                      | Emergency Stop Button Disables Output Power                |
| Weight                              | 260kgs                                                     |

Technical Specification

| Parameters                          | Description                                                |
|-------------------------------------|------------------------------------------------------------|
| Catalogue number                    | BA32ZT1                                                    |
| Input                               | 400VAC / 480VAC (3P+N+PE) , 50/60Hz                        |
| Output voltage                      | 200 - 1000VDC                                              |
| Output current                      | CCS2 - 100A                                                |
| Connectors                          | CCS2 Type Dual gun                                         |
| Parallel charger mode               | 30 kW per Port, 8 ports                                    |
| Efficiency                          | ≥94% at nominal output power                               |
| Power factor                        | > 0.98                                                     |
| Operating temperature               | -30°C to 55°C                                              |
| Altitude                            | < 2000m                                                    |
| Working   Storage humidity          | ≥95% RH    ≥99% RH (Non-condensing)                        |
| Display                             | 7" LCD with touch screen                                   |
| RFID system                         | ISO/IEC 14443A/B                                           |
| Dimensions pillar (LxDxH)           | 700 x 800 x 1950                                           |
| Ingress Protection                  | IP54   IK10                                                |
| Power Electronics Cooling           | Force Air Cooled                                           |
| Insulation (input - output)         | > 2.5kV                                                    |
| Charging protocol standards         | Mode 4 - IEC-61851, ISO-15118, DIN 70121 2023              |
| Length of charging cable            | 5m                                                         |
| Communication protocol              | OCPP 1.6J                                                  |
| Access control                      | RFID: ISOJEC 14443A/B                                      |
| Communication                       | Ethernet - Standard    3G/4G Modem (Optional)              |
| Electrical safety GFCI              | RCD 30 mA Type A                                           |
| Electrical safety. Surge protection | 20kA                                                       |
| Electrical safety general           | Over Voltage, Under Voltage, Over Current                  |
| Electrical safety: Output short     | Output power disabled when output is short circuited       |
| Electrical safety temperature       | Temperature Sensors @ Charge Coupler and Power Electronics |
| Emergency stop                      | Emergency Stop Button Disables Output Power                |
| Weight                              | 310kgs                                                     |

Regestired office:

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