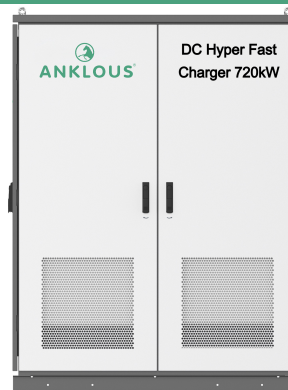


# AKS 720 Power Cabinet

## Main Features

- Smart power pool technology.
- 97% peak efficiency & high output current.
- Up to 720kW output power in total.
- Connect with 12 outputs max per power cabinet.
- Small footprint.

## Specifications



| Product Information                           |                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------|
| AC Input Voltage                              | 400Vac±10%, three-phase, 50/60Hz, 2 x (L1+L2+L3+N+PE)                     |
| AC Input Current                              | 1100A                                                                     |
| Power Factor                                  | ≥0.99 @ Full Load                                                         |
| Peak Efficiency                               | 97%                                                                       |
| Earthing System                               | TN-S, TN-C-S, TT                                                          |
| Output Power                                  | 720kW                                                                     |
| Output Voltage                                | 150-1000V DC                                                              |
| Output Current                                | 2400A                                                                     |
| Overvoltage                                   | CAT III                                                                   |
| Scene Conditions                              | C3-M                                                                      |
| User Interface                                |                                                                           |
| Button                                        | Emergency stop button                                                     |
| Communication                                 |                                                                           |
| Connectivity                                  | 4G, Wi-Fi, Ethernet                                                       |
| Communication to the Backend                  | OCPP 1.6J/OCPP 2.0.1                                                      |
| Maximum Supported user unit per power cabinet | 12 connectors                                                             |
| Environmental                                 |                                                                           |
| Operating Temperature                         | -30°C ~ +50°C                                                             |
| Storage Temperature                           | -40°C ~ +70°C                                                             |
| Humidity                                      | 5% ~ 95% no condensation                                                  |
| Altitude                                      | ≤2000m                                                                    |
| Mechanical                                    |                                                                           |
| IP Rating                                     | IP55                                                                      |
| IK Rating                                     | IK10                                                                      |
| EVSE Cooling                                  | Forced air-cooling                                                        |
| Dimensions (WxHxD)                            | 1503 x 2149 x 1220mm                                                      |
| Weight                                        | Approx. 880kg (power cabinet)<br>Approx. 17kg (one power module)          |
| Installation                                  | Ground mounting                                                           |
| Certification and Standards                   |                                                                           |
| Standards and Compliance                      | IEC 61851-1, IEC 61851-21-2, IEC 61851-23, LVD 2014/35/EU, RED 2014/53/EU |
| Certification                                 | CE-RED, CB, RCM                                                           |

# AKS Natural-cooling User Unit

Available Q3 2025



DFATF



## Main Features

- Smart ID design.
- 150-1000V DC wide output voltage range.
- 600A DC max of output current.
- User friendly Cable Management System for easier operation.

## Specifications

| Product Information         |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Input Voltage               | 230V AC $\pm 15\%$ , 50/60Hz, Single-phase (L+N+PE)                                                                          |
| Charging Interface          | 2 x CCS2 plug (natural-cooling)                                                                                              |
| Output Voltage              | 150-1000V DC                                                                                                                 |
| Output Current              | 400A rated (600A max.)                                                                                                       |
| Metering                    | CE meter / MID meter / PTB meter                                                                                             |
| User Interface              |                                                                                                                              |
| Screen Type                 | 7-inch touch screen                                                                                                          |
| Status Indication           | LED indicator                                                                                                                |
| Button                      | Emergency stop button                                                                                                        |
| User Authentication         | RFID card, QR code, APP (optional), Free charging, MAC authentication, Credit card (optional, payment terminal is necessary) |
| Communication               |                                                                                                                              |
| Connectivity                | 4G, Ethernet                                                                                                                 |
| Communication to the EV     | DIN 70121, ISO 15118                                                                                                         |
| Environmental               |                                                                                                                              |
| Operating Temperature       | -30°C ~ +50°C                                                                                                                |
| Storage Temperature         | -40°C ~ +70°C                                                                                                                |
| Humidity                    | 5% ~ 95% no condensation                                                                                                     |
| Altitude                    | $\leq 2000\text{m}$                                                                                                          |
| Mechanical                  |                                                                                                                              |
| IP Rating                   | IP55                                                                                                                         |
| IK Rating                   | IK10 (Screen IK08)                                                                                                           |
| EVSE Cooling                | Natural cooling                                                                                                              |
| Charging Cable Length       | CCS2: 5m                                                                                                                     |
| Dimensions (WxHxD)          | 500 x 1700 x 250mm                                                                                                           |
| Weight                      | Approx. 100kg                                                                                                                |
| Installation                | Ground mounting                                                                                                              |
| Certification and Standards |                                                                                                                              |
| Standards and Compliance    | IEC 61851-1, IEC 61851-21-2, IEC 61851-23, LVD 2014/35/EU, RED 2014/53/EU                                                    |
| Certification               | CE-RED, CB                                                                                                                   |