

# Mobox Series DC Charger

Mobox Series DC Charger features an integrated portable design characterised by compact size and lightweight construction. This design allows for quick power connection, easy mobility and convenient vehicle transport.

EU Standard



## Innovative

- Anti-theft screw
- App control & operation
- Faster charging with smaller installation space

## Intelligent

- 10' touch display
- OCPP 1.6 Json

## Flexible

- Wall-mount/Pole-mount(Optional)
- Start Mode: App/QR code/Rfid Card/POS(Optional)

## Secure and Safe

- Modular design, easy to repair and replace
- IP54 high ingress protection level
- MID Meter(Optional)

CE CB

# Mobox Series DC Charger

| Datasheet                | Model                  | DC030K                                                                                                                                                                                              | DC040K           |
|--------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Electrical Specification | Power Supply           | 3P+N+PE                                                                                                                                                                                             | 3P+N+PE          |
|                          | Input Voltage          | 400V AC ±10%                                                                                                                                                                                        |                  |
|                          | Input Current          | 47A                                                                                                                                                                                                 | 63A              |
|                          | Input Frequency        | 50/60HZ                                                                                                                                                                                             |                  |
|                          | Output Voltage         | 200~1000V DC                                                                                                                                                                                        |                  |
|                          | Maximum Output Current | 100A                                                                                                                                                                                                | 133.3A           |
|                          | Maximum Output Power   | 30kW                                                                                                                                                                                                | 40kW             |
| Basic Attributes         | Charge Connector       | Standard:CCS2<br>Customizable:CHAdemo/GBT/CCSI                                                                                                                                                      |                  |
|                          | Number of Cable        | 1                                                                                                                                                                                                   |                  |
|                          | Cable Length           | 5m                                                                                                                                                                                                  | 5m               |
|                          | Enclosure              | Galvanized Steel                                                                                                                                                                                    | Galvanized Steel |
|                          | Installation           | Wall-mount/Pole-mount(Optional)                                                                                                                                                                     |                  |
| Interactive Interface    | LED Indicator          | Green/Yellow/Red                                                                                                                                                                                    |                  |
|                          | LCD Display            | 10' Color Touch Display                                                                                                                                                                             |                  |
|                          | RFID Reader            | Mifare ISO/IEC 14443 A&B                                                                                                                                                                            |                  |
|                          | Start Mode             | App/QR code/Rfid Card/POS(Optional)                                                                                                                                                                 |                  |
| Communication            | Wi-Fi & Ethernet       | Standard                                                                                                                                                                                            |                  |
|                          | 4G                     | Yes                                                                                                                                                                                                 |                  |
|                          | OCPP                   | OCPP 1.6 Json                                                                                                                                                                                       |                  |
| Electrical Parameter     | Efficiency             | Max95.5%                                                                                                                                                                                            |                  |
|                          | Power Factor           | ≥0.99@50%~100%Loading                                                                                                                                                                               |                  |
|                          | THD                    | ≤5%@100%Loading                                                                                                                                                                                     |                  |
|                          | Ripple Factor          | ≤±1%                                                                                                                                                                                                |                  |
| Safety                   | RCD                    | Type A                                                                                                                                                                                              |                  |
|                          | Emergency Stop         | Yes                                                                                                                                                                                                 |                  |
|                          | Ingress Protection     | IP54                                                                                                                                                                                                |                  |
|                          | Impact Protection      | IK10(w/o Screen)                                                                                                                                                                                    |                  |
|                          | Electrical Protection  | Over current protection, Residual current protection, Short circuit protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection |                  |
|                          | Certification          | CE/CB                                                                                                                                                                                               |                  |
|                          | Certification Standard | EN IEC 61851-1:2019 IEC 61851-1:2017 IEC 61851-21-2:2021 EN 61851-23:2014 EN 61851-24:2014                                                                                                          |                  |
| Working Environment      | Warranty               | 2 Years                                                                                                                                                                                             |                  |
|                          | Cooling Method         | Fan Cooling                                                                                                                                                                                         |                  |
|                          | Noise                  | ≤65dB@22°C                                                                                                                                                                                          |                  |
|                          | Operation Temperature  | -30°C ~+50°C                                                                                                                                                                                        |                  |
|                          | Work Humidity          | 5%~95%                                                                                                                                                                                              |                  |
| Package                  | Product Dimension      | 550*850*300mm(W*H*D)                                                                                                                                                                                |                  |
|                          | Package Dimension      | 650*960*400mm(L*W*H)                                                                                                                                                                                |                  |
|                          | Net Weight             | 78.5kg                                                                                                                                                                                              |                  |
|                          | Gross Weight           | 110kg                                                                                                                                                                                               |                  |
|                          | External Package       | Wood Case                                                                                                                                                                                           |                  |