EV CHARGING PRODUCT GUIDE

Henan Mingkong Technology Co., Ltd.

AC charging • Integrated DC • Modular charging systems • Export configurations

13 product series | 43 power configurations | 16 terminal configurations

Select equipment by vehicle interface, site supply, simultaneous charging demand and operating-platform requirements. Power-cabinet ratings and terminal current ratings are presented separately.

Catalogue values support product selection. The final ordering code, technical schedule, applicable test documents and delivery scope are agreed for the selected configuration. Prices are provided by enquiry.

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Product range

Series	Product
MK AC 7	7 kW wall-mounted AC charger
MK DC Compact 20–40	20–40 kW wall / pedestal DC charger
MK DC Compact 60	60 kW integrated DC charger
MK DC 120–240	120–240 kW integrated DC charger
MK DC Heavy-duty 320–800	320–800 kW integrated heavy-duty DC charger
MK DC Master 160	160 kW main unit with satellite terminal
MK DC Split 160–480	160–480 kW modular DC charging system
MK DC Split 480–1440	480–1,440 kW flexible DC charging system
MK DC Split 1600–3200	1,600–3,200 kW flexible DC charging system
MK AC/DC 82	60 kW DC + 22 kW AC combined charger
MK DC Export 60–160	60–160 kW DC charger with cable management
MK DC Display 60–160	60–160 kW DC charger with display
MK DC Media 120–240	120–240 kW DC charger with 32-inch display

MK AC 7

7 kW wall-mounted AC charger



7 kW wall-mounted AC charger from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Residential and destination parking: For residential parking, shopping areas and other parking locations where the vehicle remains connected for longer periods.

Public parking and transport sites: The catalogue includes stations, highway service areas and other transport-related parking. Select mounting and protection for the actual environment.

Construction & operating functions

Single-phase AC charging

The 7 kW charger supplies AC power to the vehicle’s onboard charger. The listed output is 32 A; actual charging power also depends on the vehicle and supply conditions.

Temperature monitoring

Built-in temperature sensing monitors charging operation and adjusts output. Connector temperature monitoring is also described in the catalogue.

Flexible access methods

QR-code, plug-and-charge and RFID-card operation are listed. Confirm which methods are enabled in the selected controller and operating platform.

Electrical protection

Overvoltage, undervoltage, overload, earthing, overcurrent, emergency-stop, leakage and overtemperature protection are listed. Agree the required leakage-device type and upstream coordination.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK AC 7 / 7 kW	7	32

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	220 V AC ±20%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	300 × 220 × 110
Ingress protection	IP55
Noise	≤40 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	QR code / plug-and-charge / RFID card
Network	Ethernet / 4G / Wi-Fi

Protection

Parameter	Catalogue value
Listed functions	Overvoltage; undervoltage; overload; earthing; overcurrent; emergency stop; leakage; overtemperature; connector temperature monitoring.

AC characteristics

Parameter	Catalogue value
Supply frequency	50 / 60 Hz

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm the AC vehicle connector, onboard-charger capability and required charging current.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Compact 20–40

20–40 kW wall / pedestal DC charger



20–40 kW wall / pedestal DC charger from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Digital current sharing

Digital current-sharing control coordinates power modules. Module sleep and rotation functions reduce unnecessary operation as charging demand changes.

Power conversion and thermal design

The catalogue describes three-phase power-factor correction and phase-shifted full-bridge soft switching. Module and enclosure cooling must be matched to the selected power rating and installation conditions.

Monitoring and protection

The charging process is monitored for abnormal electrical and temperature conditions. The protection functions for this series are listed in the technical data below.

Serviceable module architecture

The catalogue describes replaceable power modules and reverse-charge prevention. Maintenance procedures, isolation requirements and spare-module references must be agreed for the supplied version.

Space-conscious installation

Wall-mounted and pedestal arrangements are described for locations with limited space. Confirm whether the pedestal and fixing kit are included in the selected supply scope.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Compact 20–40 / 20 kW	20	0–67
MK DC Compact 20–40 / 30 kW	30	0–100
MK DC Compact 20–40 / 40 kW	40	0–133

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	700 × 260 × 470
Ingress protection	IP54
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

Power quality (catalogue)

Parameter	Catalogue value
Power factor	>0.99
Current harmonic distortion (THDi)	≤5%

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Compact 60

60 kW integrated DC charger



60 kW integrated DC charger from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

DC voltage coverage

The catalogue describes a 200–1,000 V DC output range. Match the charging envelope to the selected vehicle battery and connector configuration.

Dual-outlet power allocation

The dual-connector version distributes available power between two vehicles. Confirm the number of outlets and simultaneous-output limits before selection.

Operator controls and remote monitoring

Time, energy, amount and customised charging strategies are described, together with remote equipment status, order management, fault alarms and diagnostics.

Flexible authentication

RFID, QR-code, VIN-based and plug-and-charge methods are described. Availability depends on the selected controller, backend and vehicle integration.

Thermal and network integration

The catalogue describes temperature-controlled operation, backend integration and remote updates. Confirm the protocol version and update scope for the delivered controller.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Compact 60 / 60 kW	60	0–199

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1517 × 640 × 300
Ingress protection	IP54
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

Output and installation

Parameter	Catalogue value
Output voltage	200–1,000 V DC
Operating altitude	<2,000 m
Ambient temperature (feature text)	−30 to +55 °C

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC 120–240

120–240 kW integrated DC charger



120–240 kW integrated DC charger from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Wide DC output range

The catalogue describes a 200–1,000 V DC output platform. Confirm the available output power across the vehicle voltage range.

Dual-connector power distribution

The dual-connector version allocates total available power according to connected vehicle demand. The cabinet rating is shared when two vehicles charge simultaneously.

Cooling and temperature control

Independent air paths and temperature-based control are described to support sustained operation. Installation must provide the required airflow and maintenance space.

Electrical and enclosure protection

The enclosure protection rating and electrical protection functions are listed in the parameter section. Confirm the installation environment and protection coordination for the supplied version.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC 120–240 / 120 kW	120	250
MK DC 120–240 / 160 kW	160	250
MK DC 120–240 / 180 kW	180	250
MK DC 120–240 / 240 kW	240	250

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	400 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1620 × 750 × 560
Ingress protection	IP55
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

DC output

Parameter	Catalogue value
Output voltage	200–1,000 V DC

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Heavy-duty 320–800

320–800 kW integrated heavy-duty DC charger



320–800 kW integrated heavy-duty DC charger from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Digital current sharing

Digital current-sharing control coordinates power modules. Module sleep and rotation functions reduce unnecessary operation as charging demand changes.

Power conversion and thermal design

The catalogue describes three-phase power-factor correction and phase-shifted full-bridge soft switching. Module and enclosure cooling must be matched to the selected power rating and installation conditions.

Monitoring and protection

The charging process is monitored for abnormal electrical and temperature conditions. The protection functions for this series are listed in the technical data below.

Serviceable module architecture

The catalogue describes replaceable power modules and reverse-charge prevention. Maintenance procedures, isolation requirements and spare-module references must be agreed for the supplied version.

Heavy-duty charging applications

The catalogue identifies this series for heavy-truck charging. Confirm vehicle battery voltage, connector current capability and simultaneous-session requirements.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Heavy-duty 320–800 / 320 kW	320	—
MK DC Heavy-duty 320–800 / 400 kW	400	—
MK DC Heavy-duty 320–800 / 720 kW	720	—
MK DC Heavy-duty 320–800 / 800 kW	800	—

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1000 × 1050 × 1850
Ingress protection	IP55
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

Power quality (catalogue)

Parameter	Catalogue value
Power factor	>0.99
Current harmonic distortion (THDi)	≤5%

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Master 160

160 kW main unit with satellite terminal



160 kW main unit with satellite terminal from the Mingkong charging equipment range. Power cabinets and dispensing terminals are selected separately. Cabinet power must not be interpreted as the output available at every connector simultaneously.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Digital current sharing

Digital current-sharing control coordinates power modules. Module sleep and rotation functions reduce unnecessary operation as charging demand changes.

Power conversion and thermal design

The catalogue describes three-phase power-factor correction and phase-shifted full-bridge soft switching. Module and enclosure cooling must be matched to the selected power rating and installation conditions.

Monitoring and protection

The charging process is monitored for abnormal electrical and temperature conditions. The protection functions for this series are listed in the technical data below.

Serviceable module architecture

The catalogue describes replaceable power modules and reverse-charge prevention. Maintenance procedures, isolation requirements and spare-module references must be agreed for the supplied version.

Main unit and satellite terminal

The catalogue presents a 160 kW main unit with a conventional satellite terminal. The terminal is a separate component and is not a 250 kW charger.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Master 160 / 160 kW	160	—

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Separate charging terminals

Component	DC input	Dimensions	Current
Conventional satellite terminal	DC 200–1,000 V	1300 × 350 × 200 mm	Current not specified on this page

Cabinet power is not the available power at every outlet simultaneously. Terminal output is limited by voltage, current, cable and connector configuration.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1620 × 750 × 565
Ingress protection	IP55
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Split 160–480

160–480 kW modular DC charging system



160–480 kW modular DC charging system from the Mingkong charging equipment range. Power cabinets and dispensing terminals are selected separately. Cabinet power must not be interpreted as the output available at every connector simultaneously.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Shared power architecture

Power is pooled in a central cabinet and allocated to dispensing terminals. Select total installed power, terminal current classes and simultaneous charging demand as one system.

Demand-based allocation

The catalogue describes allocation according to vehicle demand and battery status. The detailed control strategy and vehicle communication must be agreed for the project.

Modular expansion

A modular architecture is described for staged expansion. Confirm installed modules, expansion headroom, bus capacity and cabinet limits in the offered configuration.

Separate terminal selection

Air-cooled and liquid-cooled terminal alternatives are listed. Their current classes, connector counts, cable system and dimensions must be matched to the power cabinet.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Split 160–480 / 160 kW	160	—
MK DC Split 160–480 / 240 kW	240	—
MK DC Split 160–480 / 320 kW	320	—
MK DC Split 160–480 / 360 kW	360	—
MK DC Split 160–480 / 400 kW	400	—
MK DC Split 160–480 / 480 kW	480	—

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Separate charging terminals

Terminal	Connector arrangement	Dimensions	Rated current
Air-cooled 250 A	Single / dual connector	1480 × 400 × 242.5 mm	250 A
Air-cooled 300 A	Single / dual connector	1480 × 400 × 242.5 mm	300 A
Air-cooled 400 A	Single / dual connector	1480 × 400 × 242.5 mm	400 A
Liquid-cooled 600 A	Single / dual connector	1630 × 500 × 370 mm	600 A
Liquid-cooled 800 A	Single connector	1630 × 500 × 370 mm	800 A

Cabinet power is not the available power at every outlet simultaneously. Terminal output is limited by voltage, current, cable and connector configuration.

Electrical supply

Parameter	Catalogue value
Input voltage	Confirm with selected power cabinet
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1750 × 1200 × 900
Ingress protection	IP54
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

System and terminal arrangement

Parameter	Catalogue value
Supported charging connectors	2–8
Air-cooled terminal noise	≤40 dB
Liquid-cooled terminal noise	≤50 dB

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Split 480–1440

480–1,440 kW flexible DC charging system



480–1,440 kW flexible DC charging system from the Mingkong charging equipment range. Power cabinets and dispensing terminals are selected separately. Cabinet power must not be interpreted as the output available at every connector simultaneously.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Shared power architecture

Power is pooled in a central cabinet and allocated to dispensing terminals. Select total installed power, terminal current classes and simultaneous charging demand as one system.

Demand-based allocation

The catalogue describes allocation according to vehicle demand and battery status. The detailed control strategy and vehicle communication must be agreed for the project.

Modular expansion

A modular architecture is described for staged expansion. Confirm installed modules, expansion headroom, bus capacity and cabinet limits in the offered configuration.

Separate terminal selection

Air-cooled and liquid-cooled terminal alternatives are listed. Their current classes, connector counts, cable system and dimensions must be matched to the power cabinet.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Split 480–1440 / 480 kW	480	—
MK DC Split 480–1440 / 720 kW	720	—
MK DC Split 480–1440 / 960 kW	960	—
MK DC Split 480–1440 / 1200 kW	1200	—
MK DC Split 480–1440 / 1440 kW	1440	—

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Separate charging terminals

Terminal	Connector arrangement	Dimensions	Rated current
Air-cooled 250 A	Single / dual connector	1480 × 400 × 242.5 mm	250 A
Air-cooled 300 A	Single / dual connector	1480 × 400 × 242.5 mm	300 A
Air-cooled 400 A	Single / dual connector	1480 × 400 × 242.5 mm	400 A
Liquid-cooled 600 A	Single / dual connector	1630 × 600 × 500 mm	600 A
Liquid-cooled 800 A	Single connector	1630 × 500 × 370 mm	800 A

Cabinet power is not the available power at every outlet simultaneously. Terminal output is limited by voltage, current, cable and connector configuration.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	2400 × 2100 × 900
Ingress protection	IP54
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

System and terminal arrangement

Parameter	Catalogue value
Supported charging connectors	2–24
Terminal DC voltage range	200–1,000 V

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Split 1600–3200

1,600–3,200 kW flexible DC charging system



1,600–3,200 kW flexible DC charging system from the Mingkong charging equipment range. Power cabinets and dispensing terminals are selected separately. Cabinet power must not be interpreted as the output available at every connector simultaneously.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Shared power architecture

Power is pooled in a central cabinet and allocated to dispensing terminals. Select total installed power, terminal current classes and simultaneous charging demand as one system.

Demand-based allocation

The catalogue describes allocation according to vehicle demand and battery status. The detailed control strategy and vehicle communication must be agreed for the project.

Modular expansion

A modular architecture is described for staged expansion. Confirm installed modules, expansion headroom, bus capacity and cabinet limits in the offered configuration.

Separate terminal selection

Air-cooled and liquid-cooled terminal alternatives are listed. Their current classes, connector counts, cable system and dimensions must be matched to the power cabinet.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Split 1600–3200 / 1600 kW	1600	—
MK DC Split 1600–3200 / 1800 kW	1800	—
MK DC Split 1600–3200 / 2000 kW	2000	—
MK DC Split 1600–3200 / 2400 kW	2400	—
MK DC Split 1600–3200 / 2560 kW	2560	—
MK DC Split 1600–3200 / 3200 kW	3200	—

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Separate charging terminals

Terminal	Connector arrangement	Dimensions	Rated current
Air-cooled 250 A	Single / dual connector	1480 × 400 × 242.5 mm	250 A
Air-cooled 300 A	Single / dual connector	1480 × 400 × 242.5 mm	300 A
Air-cooled 400 A	Single / dual connector	Confirm terminal drawing	400 A
Liquid-cooled 600 A	Dual connector	1630 × 600 × 500 mm	600 A
Liquid-cooled 800 A	Dual connector	1630 × 600 × 500 mm	800 A

Cabinet power is not the available power at every outlet simultaneously. Terminal output is limited by voltage, current, cable and connector configuration.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1460 × 2700 × 1200
Ingress protection	IP54
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

System and terminal arrangement

Parameter	Catalogue value
Supported charging connectors	2–32
Terminal DC voltage range	200–1,000 V

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Information for an enquiry

• Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.

• Confirm vehicle connector standards, DC voltage range and required power per active outlet.

• Provide foundation or wall details, cable routes, ventilation clearances and service access.

• Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK AC/DC 82

60 kW DC + 22 kW AC combined charger



60 kW DC + 22 kW AC combined charger from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Digital current sharing

Digital current-sharing control coordinates power modules. Module sleep and rotation functions reduce unnecessary operation as charging demand changes.

Power conversion and thermal design

The catalogue describes three-phase power-factor correction and phase-shifted full-bridge soft switching. Module and enclosure cooling must be matched to the selected power rating and installation conditions.

Monitoring and protection

The charging process is monitored for abnormal electrical and temperature conditions. The protection functions for this series are listed in the technical data below.

Serviceable module architecture

The catalogue describes replaceable power modules and reverse-charge prevention. Maintenance procedures, isolation requirements and spare-module references must be agreed for the supplied version.

Combined AC and DC charging

The 82 kW designation combines a 60 kW DC rating and a 22 kW AC rating. These are separate charging outputs, not an 82 kW DC outlet. Confirm the simultaneous-output configuration.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK AC/DC 82 / 82 kW	82	DC 5–200; AC 5–32

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together. The 82 kW designation combines 60 kW DC and 22 kW AC outputs.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1980 × 750 × 450
Ingress protection	IP54
Noise	≤60 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

Combined output ratings

Parameter	Catalogue value
DC rated power	60 kW
AC rated power	22 kW

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Destination-specific interfaces: The catalogue illustrates US, European, Chinese and Japanese interface alternatives. Confirm the exact connector standard, controller protocol, test documents and market-specific configuration; these alternatives are not assumed to be installed together.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Export 60–160

60–160 kW DC charger with cable management



60–160 kW DC charger with cable management from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Digital current sharing

Digital current-sharing control coordinates power modules. Module sleep and rotation functions reduce unnecessary operation as charging demand changes.

Power conversion and thermal design

The catalogue describes three-phase power-factor correction and phase-shifted full-bridge soft switching. Module and enclosure cooling must be matched to the selected power rating and installation conditions.

Monitoring and protection

The charging process is monitored for abnormal electrical and temperature conditions. The protection functions for this series are listed in the technical data below.

Serviceable module architecture

The catalogue describes replaceable power modules and reverse-charge prevention. Maintenance procedures, isolation requirements and spare-module references must be agreed for the supplied version.

Cable-management configuration

The product image shows overhead cable management and a front connector arrangement. Confirm the supplied cable lengths, retraction components and connector mounting with the selected variant.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Export 60–160 / 60 kW	60	0–200
MK DC Export 60–160 / 80 kW	80	0–250
MK DC Export 60–160 / 120 kW	120	0–250
MK DC Export 60–160 / 160 kW	160	0–250

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1700 × 820 × 620
Ingress protection	IP54
Noise	≤65 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Destination-specific interfaces: The catalogue illustrates US, European, Chinese and Japanese interface alternatives. Confirm the exact connector standard, controller protocol, test documents and market-specific configuration; these alternatives are not assumed to be installed together.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Display 60–160

60–160 kW DC charger with display



60–160 kW DC charger with display from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Digital current sharing

Digital current-sharing control coordinates power modules. Module sleep and rotation functions reduce unnecessary operation as charging demand changes.

Power conversion and thermal design

The catalogue describes three-phase power-factor correction and phase-shifted full-bridge soft switching. Module and enclosure cooling must be matched to the selected power rating and installation conditions.

Monitoring and protection

The charging process is monitored for abnormal electrical and temperature conditions. The protection functions for this series are listed in the technical data below.

Serviceable module architecture

The catalogue describes replaceable power modules and reverse-charge prevention. Maintenance procedures, isolation requirements and spare-module references must be agreed for the supplied version.

Network and display configuration

4G, Ethernet, Wi-Fi and Bluetooth are listed. The equipment image shows a display and cable management; confirm display hardware, media functions and interface language in the final configuration.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Display 60–160 / 60 kW	60	—
MK DC Display 60–160 / 120 kW	120	—
MK DC Display 60–160 / 160 kW	160	—

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1800 × 750 × 690
Ingress protection	IP54
Noise	≤60 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	4G / Ethernet / Wi-Fi / Bluetooth

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Destination-specific interfaces: The catalogue illustrates US, European, Chinese and Japanese interface alternatives. Confirm the exact connector standard, controller protocol, test documents and market-specific configuration; these alternatives are not assumed to be installed together.

Information for an enquiry

- Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.
- Confirm vehicle connector standards, DC voltage range and required power per active outlet.
- Provide foundation or wall details, cable routes, ventilation clearances and service access.
- Specify the backend platform, network coverage, authentication methods and local payment requirements.

MK DC Media 120–240

120–240 kW DC charger with 32-inch display



120–240 kW DC charger with 32-inch display from the Mingkong charging equipment range. Review the power variant together with input supply, connection standard, installation and operating-platform requirements.

Applications

Public and commercial parking: For public charging stations, shopping-centre parking and commercial sites. Match the selected power and connector configuration to the available supply and expected vehicle dwell time.

Fleet and transport facilities: For taxi, commuter, logistics and other fleet charging requirements described in the catalogue. Provide the vehicle list, daily charging schedule and number of simultaneous sessions.

Construction & operating functions

Wide DC output range

The catalogue describes a 200–1,000 V DC output platform. Confirm the available output power across the vehicle voltage range.

Dual-connector power distribution

The dual-connector version allocates total available power according to connected vehicle demand. The cabinet rating is shared when two vehicles charge simultaneously.

Cooling and temperature control

Independent air paths and temperature-based control are described to support sustained operation. Installation must provide the required airflow and maintenance space.

Electrical and enclosure protection

The enclosure protection rating and electrical protection functions are listed in the parameter section. Confirm the installation environment and protection coordination for the supplied version.

Integrated 32-inch display

The parameter table lists a 32-inch display with a 16:9 aspect ratio. Confirm media management, screen protection and language support for the intended operation.

Power configurations

Mingkong catalogue reference	Rated power (kW)	Listed output current (A)
MK DC Media 120–240 / 120 kW	120	250
MK DC Media 120–240 / 160 kW	160	250
MK DC Media 120–240 / 180 kW	180	250
MK DC Media 120–240 / 240 kW	240	250

Mingkong catalogue references identify the configuration for enquiries. Confirm the final ordering code, vehicle interface and technical schedule. Output current, voltage and simultaneous charging limits must be considered together.

Electrical supply

Parameter	Catalogue value
Input voltage	380 V AC ±15%
Conversion efficiency	≥96.5%

Construction and environment

Parameter	Catalogue value
Catalogue dimensions (mm)	1620 × 750 × 560
Ingress protection	IP54
Noise	≤60 dB

Operation and connectivity

Parameter	Catalogue value
Charge mode	Automatic charging to full
Authentication	RFID card / QR code / password
Network	Ethernet / 4G

Protection

Parameter	Catalogue value
Listed functions	Connector temperature monitoring; overvoltage; undervoltage; overload; short circuit; earthing; overtemperature; low temperature; insulation monitoring; reverse polarity; surge protection; emergency stop; leakage protection.

DC output and display

Parameter	Catalogue value
Output voltage	200–1,000 V DC
Display diagonal	32 inches
Display aspect ratio	16:9

Configuration & installation

Supply and site integration: Confirm the site voltage, frequency, available transformer capacity and simultaneous charging demand. Upstream switchgear and cable selection depend on the final installation.

Vehicle connector and charging protocol: Select the required vehicle interface and charging protocol for the destination. Connector appearance alone does not establish compatibility.

Network and operating platform: Confirm the backend protocol/version, SIM or Ethernet arrangement, billing integration and user-access methods. Network connectivity does not by itself confirm backend compatibility.

Installation and delivery scope: Agree the charger or cabinet, terminals, cables, foundation interfaces, commissioning documents, spare parts and warranty scope in the quotation.

Destination-specific interfaces: The catalogue illustrates US, European, Chinese and Japanese interface alternatives. Confirm the exact connector standard, controller protocol, test documents and market-specific configuration; these alternatives are not assumed to be installed together.

Information for an enquiry

• Provide the site single-line diagram, available AC supply, earthing arrangement and upstream protection.

• Confirm vehicle connector standards, DC voltage range and required power per active outlet.

• Provide foundation or wall details, cable routes, ventilation clearances and service access.

• Specify the backend platform, network coverage, authentication methods and local payment requirements.