EF160 series

Public DC Quick Charger
Charging Fast Anywhere.

Overview

- Up to 150kW DC charging with modular design
- Multi-standard CCS & CHAdeMO & AC Type-2
- RFID, credit card and Mobile APP user identification options
- OCPP 1.6J connectivity (WS & WSS) for easy integration
- Multiple network options (Ethernet, GPRS and LTE)
- 7" color screen with unique user interface
- Balancer reel advanced cable management
- Metal casing for extending life period
- Various languages interface for easy operation

Product Description

The ARK **EF160 series DC Charger** is designed to be installed in both public locations (urban spaces, shopping centers, airports and etc.) and commercial areas (companies, shopping malls).

It can be used to charge all kinds EVs with CCS-2 and CHAdeMO and AC Type-2 fast charging standard with up to 172kW (150kW DC and 22kW AC).

After user identification (with RFID, credit card or Mobile APP), by simply coupling the charger's output plug to the EVs, you will have a secured and fast charging process. Different output options are available, single DC output, dual DC output or even triple DC+AC output simultaneously.

Charging battery status is displayed and charging progress can be terminated by an user command listed.

Highlights

OCPP 1.6 and 2.0 upgradable

Mobile remote operation

RFID authentication

Credit card payment

CCS-2 & CHAdeMO charging

CE certificate by DEKRA

Ark Tech

General Specifications

Model type	EF160CJ142
System	
Charging type	Mode 4
Dimension (H x W x D)	1900 x 725 x 700mm
Enclosure protection grade	IP54, IK10
Cable routing	Bottom inlet, top outlet wiring
Net weight	380kgs
Charging standard	IEC 61851-1, IEC 61851-23, CHAdeMO
Certificate	CE, EN 61851-23:2014 + EN 61851-23:2014/AC:2016-06, IEC 61851-21-2: 2018, EN IEC 61851-21-2: 2021
Protection	Over/under voltage protection, overload protection, current leakage protection, grounding protection, lightening surge protection
Accessories	Cable management balancer reel
Input	
Input voltage	400Vac +/-10%, 50/60Hz, 3-phase + neutral + PE
Input current	0 - 250A
Power factor	0.99 at nominal output
Efficiency	94% at nominal output
DC Output	
Outlet connectors	DC: CCS-2, CHAdeMO JEVS G105, AC: IEC 62196 Type-2
DC output power (single charging)	CCS: 120kW max, CHAdeMO: 60kW max
DC output power (simultaneous charging)	CCS: 60kW max, CHAdeMO: 60kW max
DC output voltage range	CCS: 200 – 1000VDC, CHAdeMO: 200 – 500VDC
DC Output current range	CCS: 0 – 200A, CHAdeMO: 0 – 125A
AC Output	
AC output power	22kW max
AC output current	3-phase 32A max
User interface	
User authentication	RFID, Credit card (optional), Mobile APP
Display	7" LCD touch screen
Support languages	English, Spanish, Polish (other languages upon request)
Network interface	Ethernet, GPRS and LTE
Protocol	OCPP 1.6J (WS & WSS encryption), future upgradable to 2.0
Environmental	
Working temperature	-30°C – +55°C, derating from 55°C to 75°C
Working humidity	5% – 95% non-condensation
Altitude	<2000m
Cooling	Forced air cooling

* Product outlook for ref only, actual appearance prevails. Specifications are subject to change without notice.