

# EF040 series

Commercial & Public DC Charger  
Charging Fast Anywhere.

## Overview

- Up to 40kW DC charging with modular design
- Multi-standard CCS & CHAdeMO
- RFID, credit card and Mobile APP user identification
- OCPP 1.6 connectivity (ws & wss) for easy integration
- Multiple network options (Ethernet, 3G, 4G)
- IP54 and compact size provides high adaptability
- 7" color screen with unique user interface
- Metal casing for extending life period
- Wall and pedestal mount

## Product Description

The ARK **EF040 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 EVs with both CCS and CHAdeMO charging standard with up to 40kW.

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.

The charging battery status is displayed and the charging process can be terminated by various user commands .

The **EF040 series DC Charger** is specifically designed by ARK, its unique system provides impressive performance for DC quick charging. Wall and pedestal mount options ensure it meets different installation requirements.



## Highlights



OCPP 1.6 and 2.0 upgradable



Mobile remote operation



RFID authentication



CCS-2 & CHAdeMO charging



CE certificate by DEKRA

## General Specifications

Model type	EF040CJ040	
<b>System</b>		
Charging type	Mode 4	
Dimension (H x W x D)	600 x 700 x 363mm, 1500 x 700 x 363mm (pedestal mount)	
Enclosure protection grade	IP54, IK10	
Installation method	Wall mount, pedestal mount (optional)	
Cable routing	Bottom inlet and outlet wiring	
Net weight	125kgs, 145kgs (pedestal mount)	
Charging standard	IEC 61851-23, CHAdeMO	
Certificate	CE, EN 61851-1:2011, EN 61851-22:2002, EN 61851-21-2:2017 compliance	
Protection	Over/under voltage protection, overload protection, current leakage protection, grounding protection, lightening surge protection	
<b>Input</b>		
Input voltage	400Vac +/-10%, 50Hz, 3-phase + neutral + PE	
Power factor	0.99 at nominal output	
Efficiency	94% at nominal output	
<b>Output</b>		
Output power	20kW max	40kW max
Outlet connectors	CCS-2, CHAdeMO JEVS G105	
Output voltage range	200 – 1000V (constant output at above 300V)	
Output current range	66.7A max	125A max
Charging options	Single charging, simultaneous charging (optional)	
<b>User interface</b>		
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 or LTE	
Protocol	OCPP 1.6J, future upgradable to 2.0	
<b>Environmental</b>		
Working temperature	-25°C – +50°C, derating from 50°C to 75°C	
Working humidity	5% – 95% non-condensation	
Altitude	<2000m	
Cooling	Forced air cooling	
Protection	Over/under voltage protection, overload protection, current leakage protection, grounding protection, lightening surge protection	

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



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