

EVD-240/480D

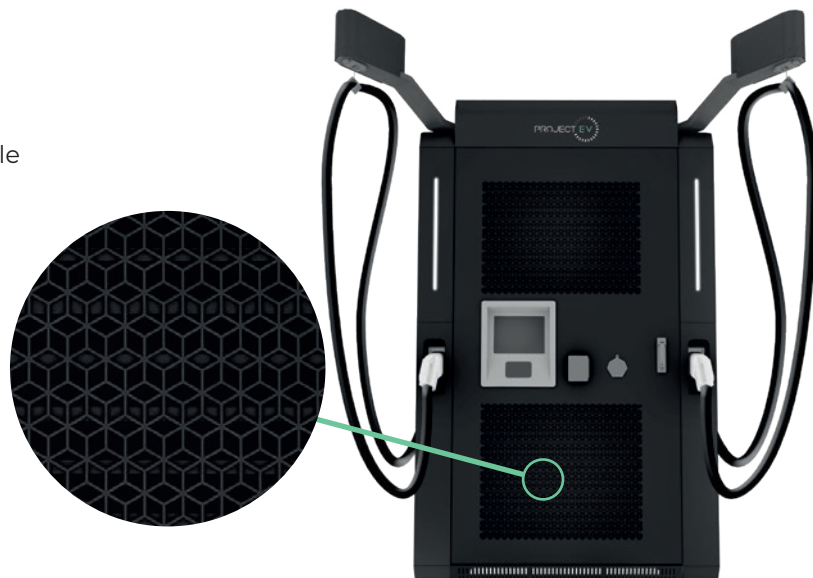
Modular 240kW - 480kW EV Ultra-Rapid Charger
[CCSx2]



The Future of EV Charging

The 240-480 kW DC Charger takes a modular approach to commercial charging, having multiple outputs tailored for your requirements, these are:

- 240kW EV Charger (**Upgradable to 320kW**)
[Configurations: 2x120kW Output Split]
- 320kW EV Charger
[Configurations: 2x160kW Output Split]
- 400kW EV Charger (**Upgradable to 480kW**)
[Configurations: 2x200kW Output Split]
- 480kW EV Charger
[Configurations: 2x240kW Output Split]



The EVD-240/480D is a large capacity ultra-rapid DC charger, with dual CCS charging outlets. With its high power output, it's perfect for commercial charging application. Being fully compatible with the Project EV Pro App, allows for easy fleet and cost management, as well as being able to manage load balancing for larger scale charging across multiple vehicles.



CCSx2
CONNECTOR



ULTRA RAPID
CHARGING



CONTACTLESS
PAYMENTS¹



RFID
CONTROL



OCPP
COMPLIANT²



5 YEAR / 30,000 HOUR
WARRANTY

¹ Compatible to upgrade with contactless payment terminal. ² Compliant with multiple back-office solutions.

METHODS OF CONTROL

Plug & Charge - Project EV's ethos is to make charging electric vehicles easy and stress free for all. With the Plug and Play mode you do not require any additional software or applications to control your EV charge point, you simply plug your car into a Project EV device, and the charge begins.

RFID - RFID Mode Charging is an easy simple way for users to control their EV Charge Point with a swipe of a card. One RFID card is supplied as standard, however extra cards can be supplied for those interested in public charging.

Project EV App - The FREE Project EV App allows you to choose and customise charging rates, prioritise off-peak charging to maximise savings and create charging records; so you can see and control all your data.

Project EV Pro App - The Project EV Pro App is a unique EV charging platform, providing you the ability to utilise public charging capabilities and manage and control multiple chargers - from which you can generate a fluid revenue stream.



Note - EVD-240/480D Datasheet [V8] - Information correct as of 03/25

	EVD-240D	EVD-320D	EVD-400D	EVD-480D
Input & Output				
Input Current	370A AC	490A AC	610A AC	735A AC
Input Voltage	362-438V AC	362-438V AC	362-438V AC	362-438V AC
Rated Input Voltage	400V AC	400V AC	400V AC	400V AC
Frequency	50Hz	50Hz	50Hz	50Hz
DC Plug Type	CCS, double plugs	CCS, double plugs	CCS, double plugs	CCS, double plugs
Output Voltage Range	150-1000V DC	150-1000V DC	150-1000V DC	150-1000V DC
Max. Output Power	240kW	320kW	400kW	480kW
Max. Output Current	CCS: 200A DC	CCS: 200A DC	380A(Nominal), 500A(Peak, 20min) 600A(Peak, 10min)	380A(Nominal), 500A(Peak, 20min) 600A(Peak, 10min)
Voltage Accuracy	≤±0.5%	≤±0.5%	≤±0.5%	≤±0.5%
Current Accuracy	≥30A: ≤±1%; <30A: ≤±0.3A	≥30A: ≤±1%; <30A: ≤±0.3A	≥30A: ≤±1%; <30A: ≤±0.3A	≥30A: ≤±1%; <30A: ≤±0.3A
Voltage-Regulating Accuracy	≤±0.5%	≤±0.5%	≤±0.5%	≤±0.5%
Current-Regulating Accuracy	≤±1%	≤±1%	≤±1%	≤±1%
Ripple Coefficient	RMS: ≤±0.5%; Peak: ≤±1%	RMS: ≤±0.5%; Peak: ≤±1%	RMS: ≤±0.5%; Peak: ≤±1%	RMS: ≤±0.5%; Peak: ≤±1%
Metering Accuracy	0.5%	0.5%	0.5%	0.5%
Efficiency	≥95%	≥95%	≥95%	≥95%
Cable Length	5m	5m	5m	5m
Protection				
Over Voltage Protection	✓	✓	✓	✓
Under Voltage Protection	✓	✓	✓	✓
Over Load Protection	✓	✓	✓	✓
Emergency Protection	✓	✓	✓	✓
Over-Temp Protection	✓	✓	✓	✓
Short Circuit Protection	✓	✓	✓	✓
Lightning Protection	✓	✓	✓	✓
Function & Accessory				
Display	7 inch touch screen	7 inch touch screen	7 inch touch screen	7 inch touch screen
Ethernet/WIFI/4G	Yes/Yes/Opt	Yes/Yes/Opt	Yes/Yes/Opt	Yes/Yes/Opt
Charging Mode	APP/RFID/ Plug and Charge	APP/RFID/ Plug and Charge	APP/RFID/ Plug and Charge	APP/RFID/ Plug and Charge
Indicator	✓	✓	✓	✓
Emergency Stop	✓	✓	✓	✓
Charging Cable Balancer	✓	✓	✓	✓
Working Environment				
Protection Degree	IP54	IP54	IP54	IP54
Operating Temperature	-25°C ~+50°C	-25°C ~+50°C	-25°C ~+50°C	-25°C ~+50°C
Relative Humidity	5%-95% non-condensing	5%-95% non-condensing	5%-95% non-condensing	5%-95% non-condensing
Maximum Altitude	2000m	2000m	2000m	2000m
Cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling
Standby Power Consumption	<100W	<140W	<150W	<200W
Noise Emission	≤65db	≤65db	≤65db	≤65db
Mechanical				
Dimension (W/H/D)	1750/2097/1000mm 1824/2248/1373mm (with Cable balancer)			
Weight	549kg	566kg	700kg	732kg
Certificate				
Certificate	CE	CE	CE	CE

