



Commercial Vehicle Charging



About Project EV & **Why you need it**



The Department for Business, Energy & Industrial Strategy (BEIS) recently updated its uptake forecasts, stating that by 2030 there will be in the region of 3 to 10.5 million electric vehicles on the road.

- Driven by the falling cost of electric vehicles, increased infrastructure, and government lead policies and incentives; there is no better time to invest in electric vehicles and charging in your own home.

4,800+

Electric car sales in the UK
(per month)

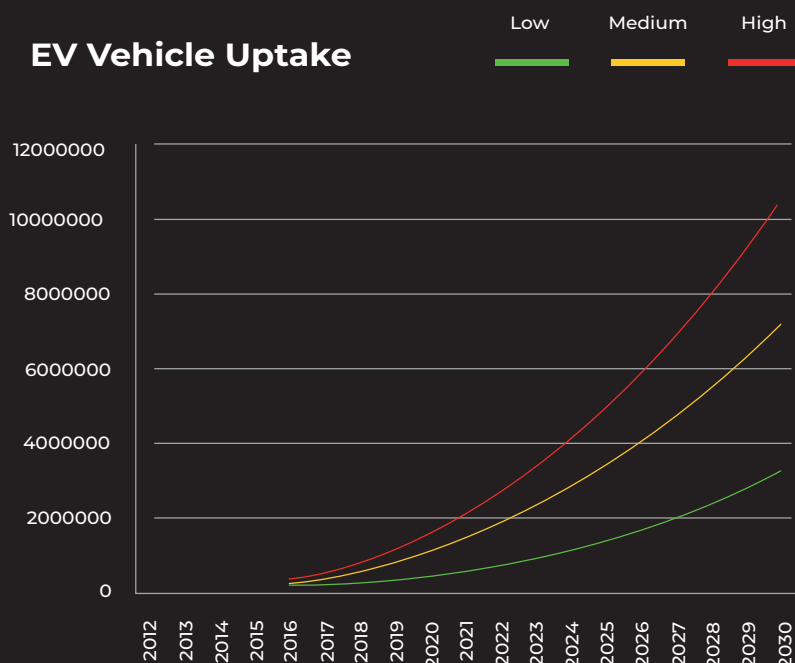
162,000

Plug-in cars registered
in the UK
(approx 2018)

75+

Plug-in models
available and growing

EV Vehicle Uptake



WCS (Workplace Charge Scheme)

Need for your business;

- Incentivise Staff
- Charge existing fleet vehicles
- To provide a service for visitors
- Improve your green credentials

An OLEV grant (WCS workplace grant scheme) of up to £500 per charge point (up to 75% of the cost) of the can be applied for up to a maximum of 20 charge points.

How it works

Your business applies for a voucher through the scheme and this is handed to us Project EV (the installation company) who gets paid the grant. It couldn't be simpler.

Note must be taken regarding larger installations and the surrounding infrastructure including additional works that may be required.

Workplace EV Charging – Benefit in Kind Exemption

The Government announced at the Autumn Budget 2017 that employer provided electricity, supplied from workplace charge points, for charging employees' own electric vehicles, is exempt from being taxed as a BIK (benefit in kind) from 6th April 2018.

ECA (Enhanced Capital Allowance)

Electric Car Chargers are eligible for ECA (Enhanced Capital Allowances, giving 100% relief in the year of expenditure (between 23rd Nov 2016 and 31st March 2019). There is a provision to extend this period further than March 2019, however this is not guaranteed.



Office for
Low Emission
Vehicles

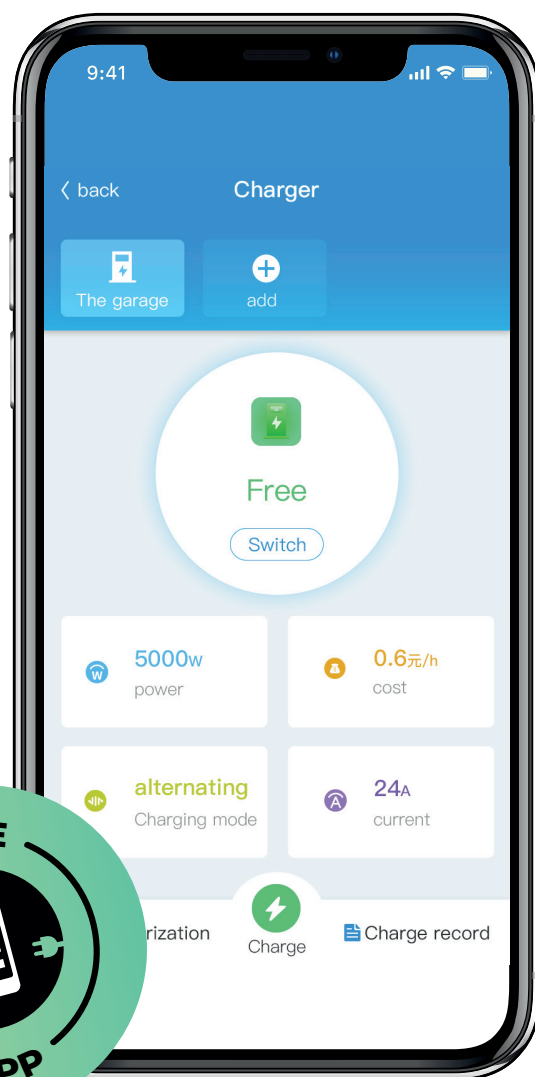


The Project EV & Growatt

Smart EV App for all of our Chargers;



- ✓ Set times for charging your car at different electricity rates
for example - Economy 7, Solar production peak times,
Time of use tariffs
- ✓ Built-in boost facility, allowing you to override the smart
EV app in case of a charging emergency
- ✓ Remote control - turn the EV charger on or off via your
smart devices
- ✓ Charging inventory list for one or multiple
vehicles registered
- ✓ Securely authorise another person to use
- ✓ Manage and add multiple charge points to
one master account

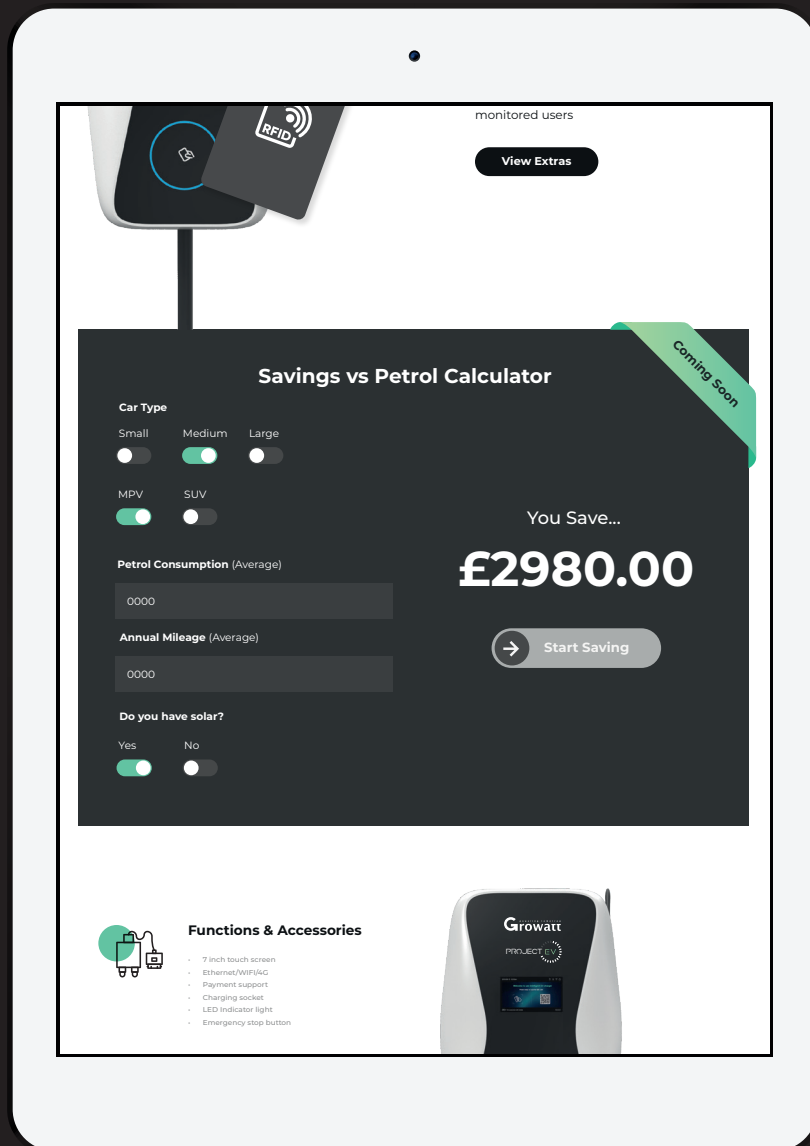




You could save £2980* a year
by switching to an electric vehicle!

Visit our website to calculate your
potential savings...

www.projectev.co.uk



*Figure based on an SUV 4x4 doing 20mpg and charging your vehicle using economy 7 and doing 10,000 miles per year. These figures are for illustration purposes only



Our **Products**

Some of the features that our chargers include (to tailor as you require)



COMPACT DESIGN

Attractive appearance, A4 print paper size, simple but elegant.



FULL PROTECTION

Full electrical protection, over/under temperature protection, etc.



STABLE

IP65 protection grade, capable for harsh environment, salt-mist condition



EUROPEAN STANDARD

OCCP v1.6 standard open communication protocol, IEC 62196 type II connector.



EASY TO INSTALL

Wall-mounting or pole-mounting optional.



RFID

Allows secure access for multiple monitored users



INTELLIGENT

Intelligent power adjustment, emergency stop, Wifi/APP/ethernet monitoring.



FLEXIBLE

QR code and RFID payment support



CAPABLE

Dual CCS type 2 plug, more efficient charging



CONVENIENT

7" touch screen LCD for parameter browsing and setting



RELIABLE

Ip54 protection level, ground-mounting for outdoor installation



EVA-07S AC Charger

(Single phase - 7.3kW EV Charger)



COMPACT DESIGN

Attractive appearance, A4 print paper size, simple but elegant.



FULL PROTECTION

Full electrical protection, over/under temperature protection, etc.



STABLE

IP65 protection grade, capable for harsh environment, salt-mist condition



INTELLIGENT

Intelligent power adjustment, emergency stop, Wifi/APP/ethernet monitoring.



EUROPEAN STANDARD

OCPP v1.6 standard open communication protocol, IEC 62196 type II connector.



EASY TO INSTALL

Wall-mounting or pole-mounting optional.

Input & Output

Input voltage	230V AC
Input frequency	50Hz
Output voltage	230V AC
Max. output power	7.3kW
Max. output current	32A
Charging interface type	IEC 62196-2, Type II

Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Ground protection	Yes
Over-temp protection	Yes
Lighting protection	Yes



Designed to meet your specific needs...

Standard Price (LAN/Wall Mounting)

Charging Socket

Monitoring/WiFi

RCD/TYPE A

LCD screen

Charging Gun (3m)

Monitoring/4G

Mounting/Pole

Sensor + automatic power regulation

Car Detection

Included

Included

Included

Included

Optional

Optional

Optional

Optional

Optional

Optional



Environment

IP grade

Operation temperature

Operation Humidity

Operation attitude

Cooling methods

Standby power consumption

IP65

-30°C ~ +55°C

5% ~ 95% without condensation

<2000m

Natural air cooling

<8W

Mechanical

Dimension (L*W*H)

Weight

353*218*129mm

<7KG

Mounting Accessories

Wall-mounting bracket/
Ground-mounting pole

* Pole dimension& weight:200mm
*1200mm*180mm(W*H*D), 8.5kg.



EVA-07S RFID Secure

(Single phase - 7.3kW EV Charger)



COMPACT DESIGN

Attractive appearance, A4 print paper size, simple but elegant.



FULL PROTECTION

Full electrical protection, over/under temperature protection, etc.



STABLE

IP65 protection grade, capable for harsh environment, salt-mist condition



INTELLIGENT

Intelligent power adjustment, emergency stop, Wifi/APP/ethernet monitoring.



EUROPEAN STANDARD

OCCP v1.6 standard open communication protocol, IEC 62196 type II connector.



EASY TO INSTALL

Wall-mounting or pole-mounting optional.



RFID

Allows secure access for multiple monitored users

Input & Output

Input voltage	230V AC
Input frequency	50Hz
Output voltage	230V AC
Max. output power	7.3kW
Max. output current	32A
Charging interface type	IEC 62196-2, Type II

Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Ground protection	Yes
Over-temp protection	Yes
Lighting protection	Yes



Designed to meet your specific needs...

Standard Price (LAN/Wall Mounting)

Charging Socket

Monitoring/WiFi

RCD/TYPE A

RFID

RFID card

RFID card (additional cards)

LCD screen

Charging Gun (3m)

Monitoring/4G

Mounting/Pole

Sensor + automatic power regulation

Car Detection

Included

Included

Included

Included

Included

Included

Optional

Optional

Optional

Optional

Optional

Optional

Optional



Environment

IP grade

Operation temperature

Operation Humidity

Operation attitude

Cooling methods

Standby power consumption

IP65

-30°C ~ +55°C

5% ~ 95% without condensation

<2000m

Natural air cooling

<8W

Mechanical

Dimension (L*W*H)

Weight

353*218*129mm

<7KG

Mounting Accessories

Wall-mounting bracket/
Ground-mounting pole

* Pole dimension& weight:
200mm*1200mm*180mm(W*H*D), 8.5kg.



EVA-11S AC Charger

(Three phase - 11kW EV Charger)



COMPACT DESIGN

Attractive appearance, A4 print paper size, simple but elegant.



FULL PROTECTION

Full electrical protection, over/under temperature protection, etc.



STABLE

IP65 protection grade, capable for harsh environment, salt-mist condition.



INTELLIGENT

Intelligent power adjustment, emergency stop, Wifi/APP/ethernet monitoring.



EUROPEAN STANDARD

OCPP v1.6 standard open communication protocol, IEC 62196 type II connector.



EASY TO INSTALL

Wall-mounting or pole-mounting optional.

Input & Output

Input voltage	400V AC
Input frequency	50Hz
Output voltage	400V AC
Max. output power	11KW
Max. output current	16A
Charging interface type	IEC 62196-2, Type II

Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Ground protection	Yes
Over-temp protection	Yes
Lightning protection	Yes



Designed to meet your specific needs...

Standard Price (LAN/Wall Mounting)	Included
Charging Socket	Included
Monitoring/WiFi	Included
RCD/TYPE A	Included
RFID	Included
RFID card	Included
RFID card (additional cards)	Optional
LCD screen	Optional
Charging Gun (3m)	Optional
Monitoring/4G	Optional
Mounting/Pole	Optional
Sensor + automatic power regulation	Optional
Car Detection	Optional

Function and Accessory

Ethernet/WIFI/4G	Yes/Opt/Opt
Connector	Gun/Socket
LCD	Opt
RCD	Type A + 6mA DC fault current protection
LED Indicator light	Yes
Emergency stop button	Yes
Intelligent power adjustment	Opt

Environment

IP grade	IP65
Operation temperature	-30°C ~ +55°C
Operation Humidity	5% ~ 95% without condensation
Operation attitude	<2000m
Cooling methods	Natural air cooling
Standby power consumption	<8W

Mechanical

Dimension (L*W*H)	420*270*135mm
Weight	<16KG

Mounting Accessories

Wall-mounting bracket/ Ground-mounting pole	*Pole dimension& weight: 200mm*1200mm*180mm(W*H*D),8.5kg.
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EVA-22S AC Charging Station

(Three phase - 22kW EV Charger)



COMPACT DESIGN

Attractive appearance, 4.3" LCD screen, A4 print paper size, simple but elegant.



FULL PROTECTION

Full electrical protection, over/under temperature protection, etc.



STABLE

IP65 protection grade, capable for harsh environment, salt-mist condition



INTELLIGENT

Emergency stop, 4G/ethernet/Wifi/APP monitoring, RFID/QR/-Bluetooth payment support.



EUROPEAN STANDARD

OCCP v1.6 standard open communication protocol, IEC62196-2 type 2 connector.



EASY TO INSTALL

Wall-mounting or pole-mounting optional.

Input & Output

Input voltage	400V AC
Input frequency	50Hz
Output voltage	400V AC
Max. output power	22KW
Max. output current	32A
Charging interface type	IEC 62196-2, Type II

Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Ground protection	Yes
Over-temp protection	Yes
Low-temp protection	Yes
Lighting protection	Yes



Designed to meet your **specific needs...**

Standard Price (LAN/Wall Mounting)

Charging Socket

Monitoring/WiFi

RCD/TYPE A

RFID

RFID card

RFID card (additional cards)

LCD screen

Charging Gun (3m)

Monitoring/4G

Mounting/Pole

Sensor + automatic power regulation

Car Detection

Included

Included

Included

Included

Included

Included

Optional

Optional

Optional

Optional

Optional

Optional

Optional



Environment

IP grade

Operation temperature

Operation Humidity

Operation attitude

Cooling methods

Standby power consumption

IP65

-30°C ~ +55°C

5% ~ 95% without condensation

<2000m

Natural air cooling

<8W

Mechanical

Dimension (L*W*H)

Weight

420*270*135mm

<16KG

Mounting Accessories

Wall-mounting bracket/
Ground-mounting pole

* Pole dimension& weight:

200mm*1200mm*180mm(W*H*D), 8.5kg.



EVA-44S AC Charging Station

(Three phase 44 kW EV Charger)



COMPACT DESIGN

Attractive appearance, 4.3" LCD screen, A4 print paper size, simple but elegant.



FULL PROTECTION

Full electrical protection, over/under temperature protection, etc.



STABLE

IP65 protection grade, capable for harsh environment, salt-mist condition



EUROPEAN STANDARD

OCCP v1.6 standard open communication protocol, IEC62196-2 type 2 connector.



INTELLIGENT

Emergency stop, 4G/ethernet/Wifi/APP monitoring, RFID/QR/Bluetooth payment support. Gun-return check, gun-out check support; Growatt central monitoring server or open to third party monitoring server.



EASY TO INSTALL

Wall-mounting or pole-mounting optional.

Input & Output

Input voltage	400V AC
Input frequency	50Hz
Output voltage	400V AC
Max. output power	44KW
Max. output current	63A
Charging Interface	IEC 62196-2, Type II
Connection	Gun
Number of gun/socket	1
Cable length	3m

Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Ground protection	Yes
Over-temp protection	Yes
Lightning protection	Yes



Designed to meet your specific needs...

Standard Price (LAN/Wall Mounting)

Charging Socket

Monitoring/WiFi

RCD/TYPE A

RFID

RFID card

RFID card (additional cards)

LCD screen

Charging Gun (3m)

Monitoring/4G

Mounting/Pole

Sensor + automatic power regulation

Car Detection

Included

Included

Included

Included

Included

Included

Optional

Optional

Optional

Optional

Optional

Optional

Optional



Environment

IP grade

Operation temperature

Operation Humidity

Operation attitude

Cooling methods

Standby power consumption

IP65

-30°C ~ +55°C

5% ~ 95% without condensation

<2000m

Natural air cooling

<8W

Mechanical

Dimension (L*W*H)

Weight

420*270*135mm

<16KG

Mounting Accessories

Wall-mounting bracket/
Ground-mounting pole

*Pole dimension& weight:

200mm*1200mm*180mm(W*H*D),8.5kg.



EVD-150D DC

Charging Station



CONVENIENT

7" touch screen LCD for parameter browsing and setting



RELIABLE

Ip54 protection level, ground-mounting for outdoor installation



FLEXIBLE

QR code and RFID payment support



CAPABLE

Dual CCS type 2 plug, more efficient charging

Input & Output

Input voltage	AC400V
Frequency	50HZ±1
DC plug type	CCS Type II, double plugs
Output voltage range	200-850V DC
Output current	Single connector MAX:200A
Voltage accuracy	≤±1%
Current accuracy	≥30A: ≤±1% <30A: ≤±0.3A
Voltage-regulating accuracy	≤±1%
Current-regulating accuracy	≤±1%
Ripple coefficient	RMS: ≤±0.5; Peak: ≤1
Metering accuracy	1%
Efficiency	≥94%

Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over current protection	Yes
Leakage current protection	Yes
Overtemperature protection	Yes
Undertemperature protection	Yes
Lightning protection	Yes



Communication & Interface

Display	7 inch touch screen
Ethernet/WIFI/4G	Yes/Opt/Opt
Payment support	QR code scanning/RFID
Indicator	Yes
Emergency stop	Yes

Working environment

IP degree	IP 54
Working temperature	-20°C ~ +65°C
Humidity	5% ~ 95% without condensation
Altitude	<2000m
Cooling	Forced air cooling
Standby power	<30W
Noise	≤65db

Mechanical data

Dimension	1260*950*2110mm
Weight	800KG



EVC-AC44D/DC150D

DC/AC Combo Charging Station



CONVENIENT

7" touch screen LCD for parameter browsing and setting



RELIABLE

Ip54 protection level, ground-mounting for outdoor installation



FLEXIBLE

QR code and RFID payment support



CAPABLE

AC&DC charger combined, 4 outputs

Input

Input voltage	AC400V
Frequency	50HZ±1
Max input power	200kW

Output/DC

DC plug type	CCS Type II, double plugs
Output voltage range	200-850V DC
Output current	Single connector MAX:200A
Voltage accuracy	≤1%
Current accuracy	≥30A: ≤±1%
Voltage-regulating accuracy	≤±1%
Current-regulating accuracy	≤±1%
Ripple coefficient	RMS: ≤±0.5; Peak: ≤±1
Efficiency	≥94%



Output/AC

Output voltage	230/400VAC
Max. output power	22KW
Max. output current	32A
Charging interface	IEC 62196-2/Type 2
Connection: Gun/Socket	Socket
Number of gun/socket	2
Cable length(Gun/Socket)	3m/NA

Protection

Over voltage protection	Yes
Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Earth leakage protection	Yes
Ground protection	Yes
Over-temp protection	Yes
Low-temp protection	Yes
Lighting protection	Yes
Protection after topple and fall	Yes

Communication & Interface

Display	7 inch touch screen
Ethernet/WIFI/4G	Yes/Opt/Opt
Payment	QR code scanning/Rfid
Indicator	Yes
Emergency stop	Yes
Metering accuracy	0.5%

Working environment

IP degree	IP 54
Working temperature	-20°C ~ +65°C
Humidity	5% ~ 95% without condensation
Altitude	<2000m
Cooling	Forced air cooling
Standby power	<30W
Standby power	≤65db

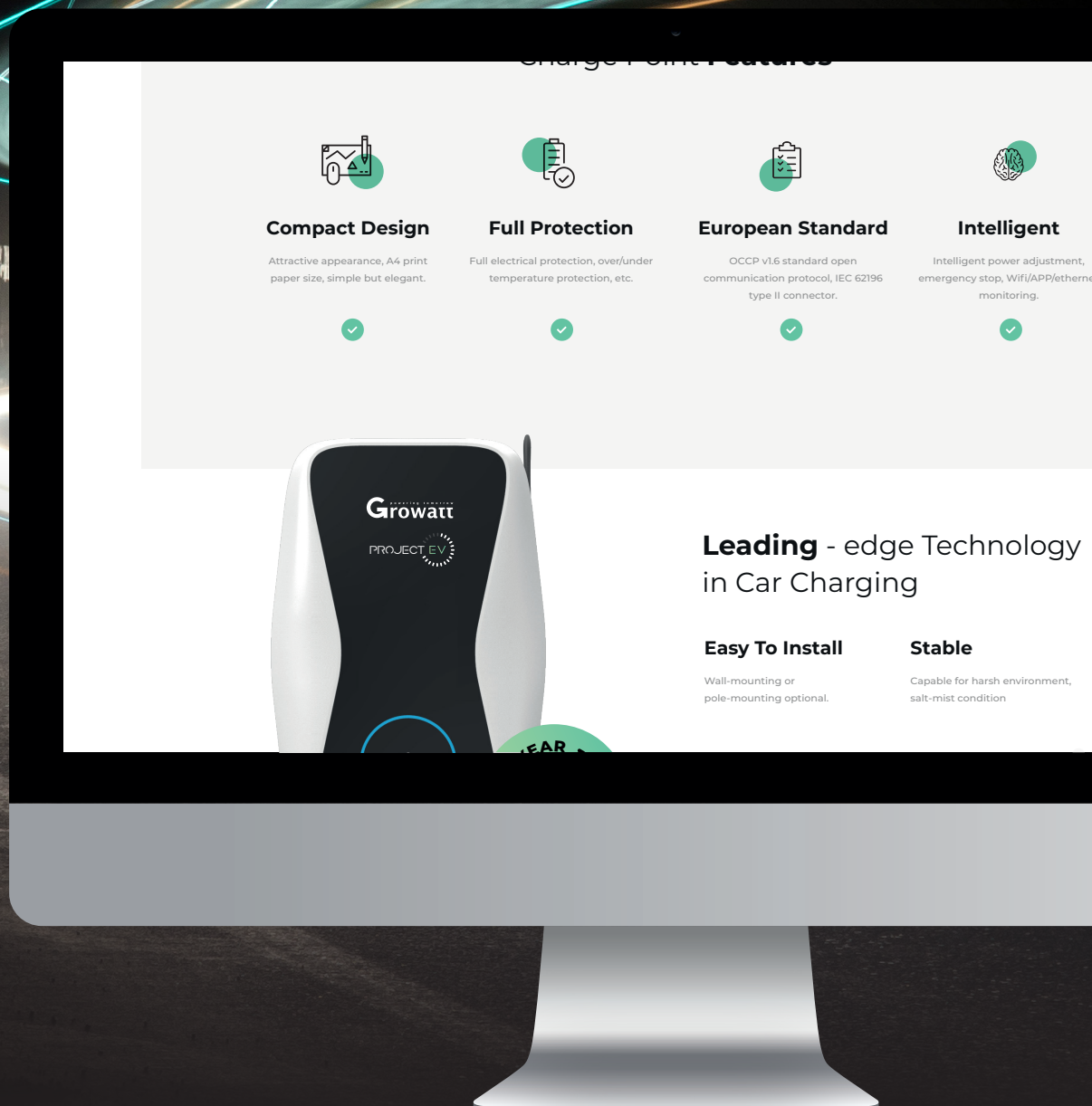
Mechanical data

Dimension	1260*950*2110mm
Weight	900KG



Leading-edge **technology** in car charging

PROJECT **EV**



Compact Design

Attractive appearance, A4 print paper size, simple but elegant.



Full Protection

Full electrical protection, over/under temperature protection, etc.



European Standard

OCCP v1.6 standard open communication protocol, IEC 62196 type II connector.



Intelligent

Intelligent power adjustment, emergency stop, Wifi/APP/ethernet monitoring.



Leading - edge Technology in Car Charging

Easy To Install

Wall-mounting or pole-mounting optional.

Stable

Capable for harsh environment, salt-mist condition



The UK's leading business, Project Better Energy are a multi-award winning group of companies specialising in the renewable energy sector.

Our mission is to enrich people's lives and make great things happen. To do this we have established a culture that supports our team members, so they can provide our customer with the highest level of service and provide the broadest range of technology-led products, that will help to enrich their lives, live smarter and save money whilst reduce their energy costs and protecting our planet.

Project Better Energy is transforming lives and boosting businesses through state of art technology, setting the standard with industry leading customer focused service.



