



CHARGE FAST & ULTRA-FAST
with **blueberry.**

powered by **i-charging**

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iconic **DESIGN** & **TECHNOLOGY**

award winning solution

E-Mobility Awards
2021 Winner



certifications



CTEP

Eichrecht



Cyber Security

blueberry

50 kW standalone



blueberry **FUSION**

up to 150 kW **all in one**





blueberry **PLUS**

up to 900 kW



up to **200 kW**



up to **300 kW**



up to **400 kW**



up to **600 kW**



up to **900 kW**



blueberry **CLUSTER**

more outputs

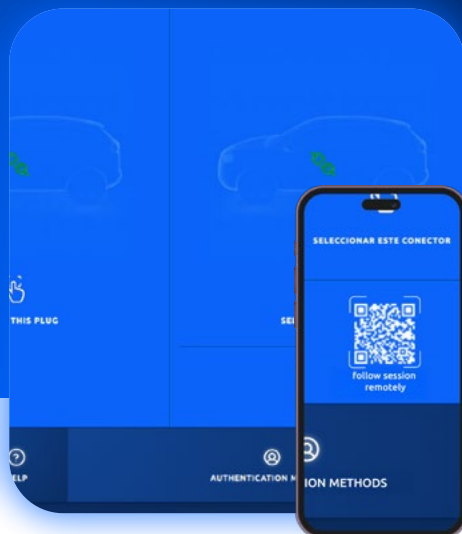


integration with e-flow

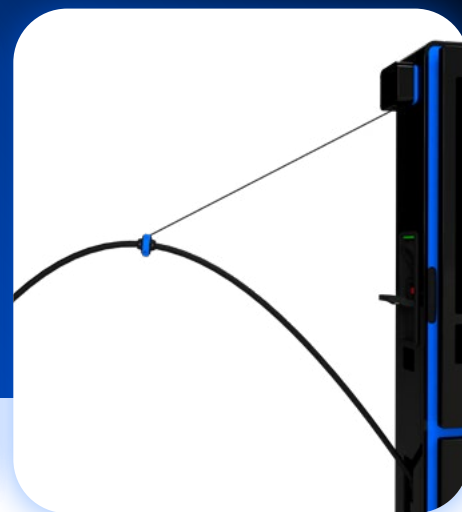
highlights blueberry family



32" Touchscreen



Monitor your charging session using the **QR code**



CMS
automatic cable management system
[4,7m/ 15.42 ft cable]

Standard Features

- External antenna
- Dual SIM modem compatible with multi operator SIM cards
- Tilt Sensor
- Web interface for Maintenance
- Second modem for Maintenance
- Dynamic power allocation to any output
- Interactive user interface with advertising features

Optional Features

- Bank card payment terminal (AFIR Compliant)
- Remote emergency stop function
- Eichrecht (DE & AT)
- LNE compliant metering (FR)
- DC energy metering according to each country's regulations



e-flow optional CLUSTER solution

e-flow a control unit designed to seamlessly manage the operation of up to four charging plugs, especially those relying on satellite units or mounted in overhead structures. It features optional user authentication, certified metering, and integrated payment systems, all housed in a compact design.

blueberry DATASHEET

blueberry

Output Power

50 kW

Output Current

125 A

Output Voltage

150 - 1000 V

Output Number

1 or 2

Outputs

**CCS, NACS, CHAdEMO,
GB/T**

blueberry FUSION

Output Power

50 - 150 kW

Output Current

125 - 375 A

Output Voltage

150 - 1000 V

Output Number

1 or 2

Outputs

**CCS, NACS, CHAdEMO,
GB/T**

blueberry PLUS

Output Power

50 - 900 kW

Output Current

125 - 500 A

Output Voltage

150 - 1000 V

Output Number

1 or 2

Outputs

**CCS, NACS, CHAdEMO,
GB/T**

blueberry CLUSTER / e-flow

Output Power

50 - 900 kW

Output Current

125 - 500 A

Output Voltage

150 - 1000 V

Output Number

1 to 4

Outputs

**CCS, NACS, CHAdEMO,
GB/T**

INPUT

Input Voltage [V a.c.]	340 to 530 +PE	340 to 530 +PE	340 to 530 +PE	340 to 530 +PE
Nominal Input Current	76A @ 400V 64A @ 480V	N* 76A @ 400V N* 64A @ 480V	N* 76A @ 400V N* 64A @ 480V	N* 76A @ 400V N* 64A @ 480V
Input Power [kVA]	53	N*53	N*53	N*53
Input Frequency [Hz]	50/60	50/60	50/60	50/60
Efficiency [%]	> 96	> 96	> 96	> 96
Power Factor	> 0.99	> 0.99	> 0.99	> 0.99
THDi [%]	< 4	< 4	< 4	< 4

OUTPUT CCS

Voltage Range [V d.c.]	150 to 1000	150 to 1000	150 to 1000	150 to 1000
Max. Current [A d.c.]	125	125, 250, 375	125, 250, 500	125, 250, 500
Max. Power [kW]	50	N*50	N*50	N*50

OUTPUT CHAdeMO

Voltage Range [V d.c.]	150 to 500	150 to 500	150 to 500	150 to 500
Max. Current [A d.c.]	125	125	125	125
Max. Power [kW]	50	50	50	50

OUTPUT GB/T

Voltage Range [V d.c.]	150 to 750	150 to 750	150 to 750	150 to 750
Max. Current [A d.c.]	125	125, 250	125, 250	125, 250
Max. Power [kW]	50	N*50	N*50	N*50

OUTPUT NACS

Voltage Range [V d.c.]	150 to 1000	150 to 1000	150 to 1000	150 to 1000
Max. Current [A d.c.]	125	125, 250, 375	125, 250, 500	125, 250, 500
Max. Power [kW]	50	N*50	N*50	N*50

*N – number of power modules

All values @ 25 °C except where indicated.
Optional features such as payment terminals may have a different IP and/or IK.
Validate with us which chargers are available in your Country/Region.
Non-contractual information. i-charging reserves the right to change this specification.

STANDARDS

DC Charging	EN IEC 61851-1; EN 61851-23; IEC 61851-21-2; ISO15118 including Plug&Charge; DIN70121; CHAdeMO; UL 2202; UL 2231-2; CSA C22.2#107.1; CSA C22.2#281.2
Connection	CCS2 / CCS1 (IEC 62196-3) ; CHAdeMO (JEVS G105) ; GB/T (20234.3); NACS (SAE J3400)
EMC Emission	IEC 61000-6-4, Industrial; IEC 61000-6-3, Residential on grid input for blueberry & blueberry FUSION
EMC Immunity	IEC 61000-6-2, Industrial
EU Directives	LV Directive 2014/35/EU; EMC Directive 2014/30/EU; 2011/65/EU (RoHS) & 1907/2006 (REACH)

ENVIRONMENT

Operating Temperature [°C] [°F]	-35; +50 -31; +122	-35; +50 -31; +122	-35; +50 -31; +122	-35; +50 -31; +122
Max. Elevation [m] [ft]	2000 6560	2000 6560	2000 6560	2000 6560
Protection Degree	IP55	IP55	IP55	IP55
Humidity [%]	5 to 95, non-condensing	5 to 95, non-condensing	5 to 95, non-condensing	5 to 95, non-condensing
Operation Noise Level [dBA] @ 3m	< 44	< 65	User Unit < 43 PU 200 ≤ 59 PU 300 < 61	User Unit ≤ 43 e-flow - TBD

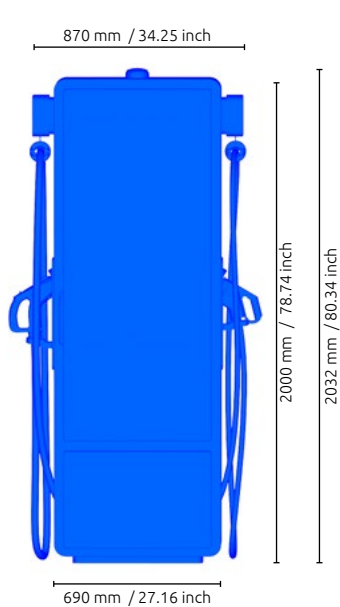
HMI

Contactless Card Specification	ISO/IEC 14443A/B, ISO/IEC 15393, Mifare, NFC reader mode; Optional: bank card reader, GooglePay and ApplePay
Local Interface	Touchscreen 32" / e-flow 10"
Communication Protocol	OCPP 1.6 / 2.0.1
Network Connection	2G/ 3G/ 4G (LTE) Modem; 10/100 Base-T Ethernet

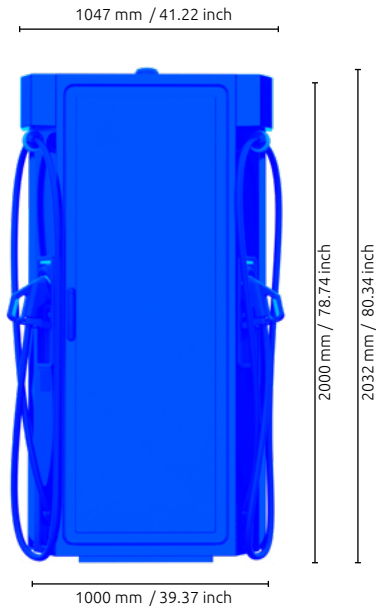
MECHANICAL

Impact Protection	IK10 including display	IK10 including display	IK10 including display	IK10 including display
Housing	Steel	Steel	Steel	Steel
Corrosion Protection (ISO 12944:2018)	C5	C5	C5	C5

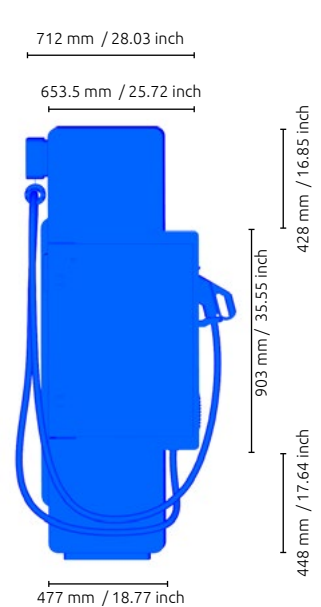
DIMENSIONS



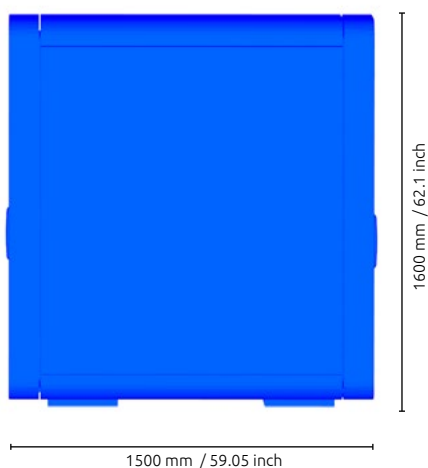
blueberry
depth 405 mm / 15.94 inch
*up to 330 Kg / 727.52 lb **



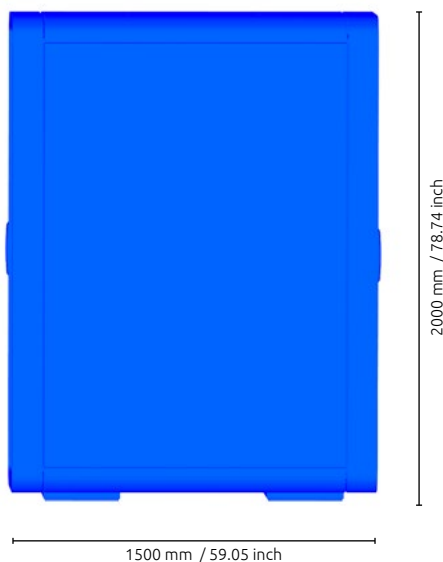
blueberry FUSION
depth 540 mm / 21.26 inch
*up to 700 Kg / 1543.23 lb **



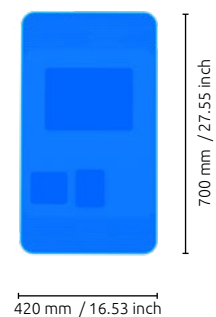
satellite
depth 214 mm / 8.42 inch
*up to 105 Kg / 231.48 lb **



PowerUnit 200
depth 650 mm / 25.59 inch
*up to 750 Kg / 1653.46 lb **



PowerUnit 300
depth 650 mm / 25.59 inch
*up to 1050 Kg / 2314.85 lb **



e-flow
depth 220 mm / 8.66 inch
TBD

* The indicated weight considers the equipment with the maximum number of power modules.