



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



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**



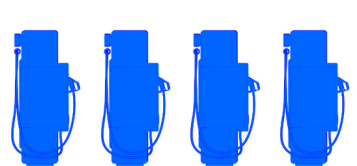
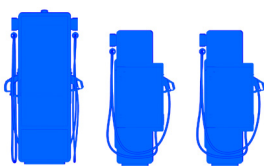
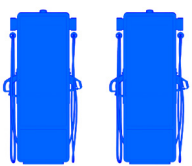
up to **900 kW**





# blueberry **CLUSTER**

more outputs



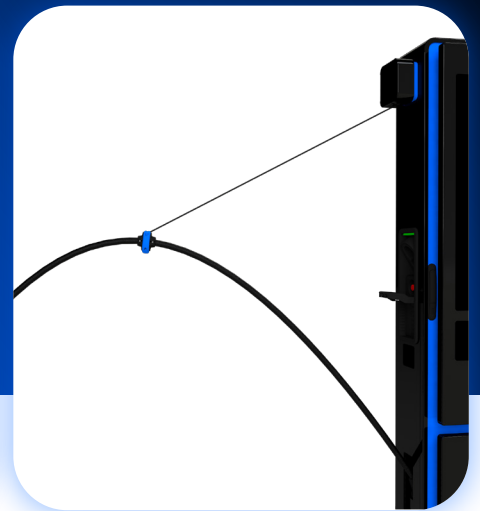
# highlights blueberry family



**32"** Touchscreen



blueberry **APP**



**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

# 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

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**

<b>Input Voltage [V a.c.]</b>	340 to 530 +PE	340 to 530 +PE	340 to 530 +PE	340 to 530 +PE
<b>Nominal Input Current</b>	76A @ 400V 64A @ 480V	N* 76A @ 400V N* 64A @ 480V	N* 76A @ 400V N* 64A @ 480V	N* 76A @ 400V N* 64A @ 480V
<b>Input Power [kVA]</b>	53	N*53	N*53	N*53
<b>Input Frequency [Hz]</b>	50/60	50/60	50/60	50/60
<b>Efficiency [%]</b>	95	95	95	95
<b>Power Factor</b>	> 0.99	> 0.99	> 0.99	> 0.99
<b>THDi [%]</b>	< 4	< 4	< 4	< 4

**OUTPUT CCS**

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

**OUTPUT CHAdeMO**

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

**OUTPUT GB/T**

<b>Voltage Range [V d.c.]</b>	150 to 750	150 to 750	150 to 750	150 to 750
<b>Max. Current [A d.c.]</b>	125	125, 250	125, 250	125, 250
<b>Max. Power [kW]</b>	50	100	100	100

**\*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

<b>DC Charging</b>	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
<b>Connection</b>	CCS2 / CCS1 (IEC 62196-3); CHAdeMO (JEVS G105); GB/T (20234.3); NACS (SAE J3400)
<b>EMC Emission</b>	IEC 61000-6-4, Industrial; IEC 61000-6-3, Residential on grid input for blueberry & blueberry FUSION
<b>EMC Immunity</b>	IEC 61000-6-2, Industrial
<b>EU Directives</b>	LV Directive 2014/35/EU; EMC Directive 2014/30/EU; 2011/65/EU (RoHS) & 1907/2006 (REACH)

## ENVIRONMENT

Operating Temperature [°C] [°F]	<b>-35; +50</b> <b>-31; +122</b>	<b>-35; +50</b> <b>-31; +122</b>	<b>-35; +50</b> <b>-31; +122</b>	<b>-35; +50</b> <b>-31; +122</b>
Max. Elevation [m] [ft]	<b>2000</b> <b>6560</b>	<b>2000</b> <b>6560</b>	<b>2000</b> <b>6560</b>	<b>2000</b> <b>6560</b>
Protection Degree	<b>IP54</b>	<b>IP54</b>	<b>IP54</b>	<b>IP54</b>
Humidity [%]	<b>5 to 95,</b> <b>non-condensing</b>	<b>5 to 95,</b> <b>non-condensing</b>	<b>5 to 95,</b> <b>non-condensing</b>	<b>5 to 95,</b> <b>non-condensing</b>
Operation Noise Level [dBA] @ 1m	<b>User Unit: &lt; 55</b>	<b>User Unit: &lt; 55</b>	<b>User Unit: &lt; 53</b> <b>&lt;65 (power unit)</b>	<b>User Unit: &lt; 53</b> <b>(satellite)</b>

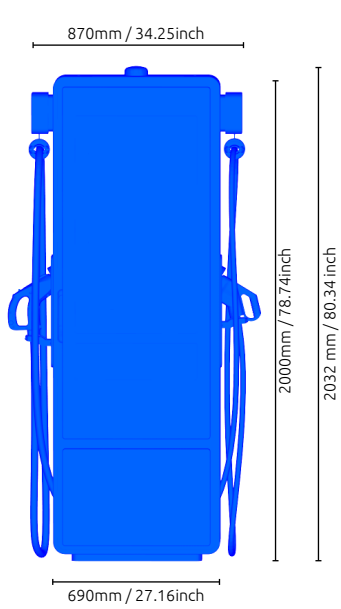
## HMI

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

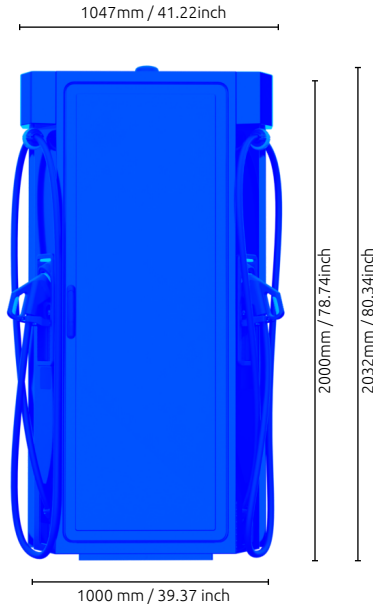
## MECHANICAL

Inpact Protection	<b>IK10</b> <b>including display</b>	<b>IK10</b> <b>including display</b>	<b>IK10</b> <b>including display</b>	<b>IK10</b> <b>including display</b>
Housing	<b>Steel</b>	<b>Steel</b>	<b>Steel</b>	<b>Steel</b>
Corrosion Protection (ISO 12944:2018)	<b>C5</b>	<b>C5</b>	<b>C5</b>	<b>C5</b>

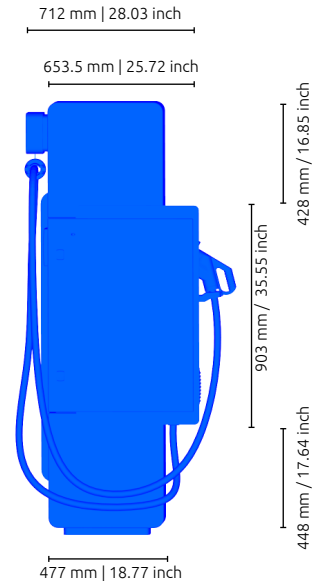
## DIMENSIONS



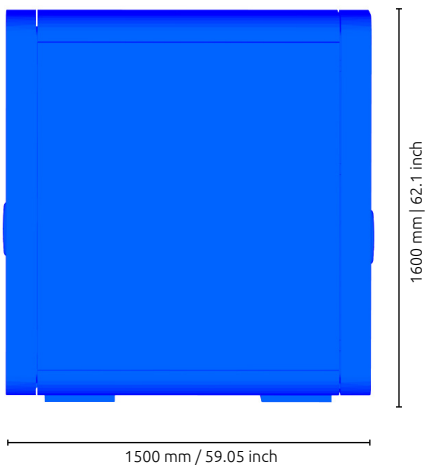
**blueberry**  
depth 405 mm / 15.94 inch  
*up to 330 Kg \**



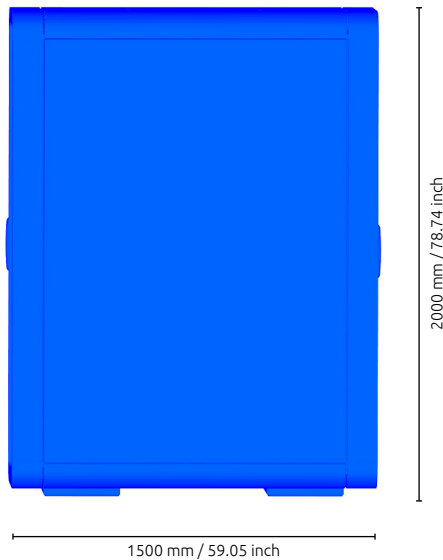
**blueberry FUSION**  
depth 540 mm / 21.26 inch  
*up to 700 Kg \**



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



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



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

*\* The indicated weight considers the equipment with maximum power*