



The home of charging

Terra DC wallbox. A compact wallbox ev charger for residential, office, commercial, and public assets applications.

> Intelligent design: compact, convenient, connected

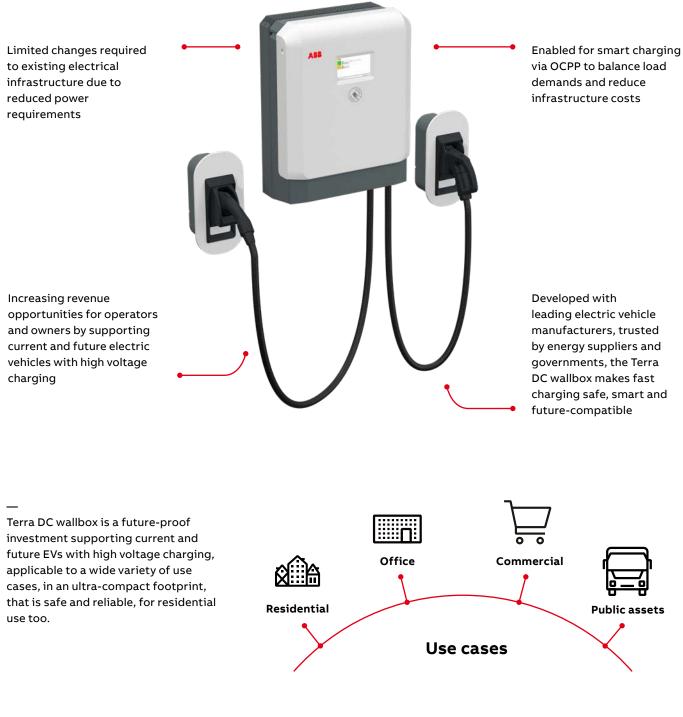
 \oplus

- Future-proof: ROI maximized
- Safety: built-in protection

At ABB, we have 130 years of heritage in accessible technology leadership and a world-leading AC and DC charging portfolio – for safe, smart and sustainable mobility.

That's why some of the world's biggest brands trust us to provide market-leading e-mobility solutions from highway to home.

Terra DC wallbox The smart e-mobility investment



Residential Multi-tenant homes, residential communities Office Small and large offices, business parks and complexes

Commercial

Hotels & hospitality sports institutions, shopping centres, commercial fleets, public or private campus, parking structures, car dealerships, race tracks **Public assets** Bus depots, utility, sensitive grid applications

Terra DC wallbox benefits

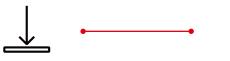
Intelligent design: compact, convenient, connected



4



The DC wallbox with **ultra-compact footprint** enables flexibility in installation to serve a variety of site conditions



Intuitive interface with a **user-friendly 7-inch color touch screen** and easy-reach cables for convenient parking and charging



Broad range of connectivity options including **3G/4G modem**, Ethernet and **GSM for easy control** and integration with existing infrastructure

Future-proof: ROI maximized



High voltage charging capabilities supporting the EVs from today and into the future



Enabled for smart charging via OCPP to balance load demands and reduce infrastructure costs



Connection to ABB Ability platform manages over-the-air-authentication and payment, remote diagnostics, software updates and asset monitoring

Safety: built-in protection



Evaluated and tested to the highest standards by independent, third party safety certification organizations



Certified with EMC Class B protection for safe use in residential areas



Integrated ground-fault and trip protection protect both user and car

Smarter charging

EU portfolio, three phase

Description

DC charger for electric vehicles, CCS2 and CHAdeMO Power supply network: 3 phase 400 V AC +/-10 % (50/60 Hz) Connectivity: Cellular connection, 3G / 4G, 2 port RJ45, Ethernet Metal Connector/cable holders for inside use provided standard with the product

	Rated continuous power (kW)	Rated peak power (kW)	Charging standard	EMC classification	Cable length (m / ft)	Туре	Order code	Weight Pkg (1pce) (kg)
	22.5	24	CCS2	Class A	3.5 / 12	TWB CE 24 C 0-7M-A-0	6AGC074509	60
4	22.5	24	CCS2	Class A	7/23	TWB CE 24 C 7-7M-A-0	6AGC076048	60
	22.5	24	CCS2	Class B	3.5 / 12	TWB CE 24 C 0-7M-0-0	6AGC077815	60
	22.5	24	CCS2	Class B	7/23	TWB CE 24 C 7-7M-0-0	6AGC077816	60
	22.5	24	CHAdeMo / CCS2	Class A	3.5 / 12	TWB CE 24 CJ 0-7M-A-0	6AGC003683	60
	22.5	24	CHAdeMo / CCS2	Class A	7/23	TWB CE 24 CJ 7-7M-A-0	6AGC076046	60
	22.5	24	CHAdeMo / CCS2	Class B	3.5 / 12	TWB CE 24 CJ 0-7M-0-0	6AGC077814	60
	22.5	24	CHAdeMo / CCS2	Class B	7 / 23	TWB CE 24 CJ 7-7M-0-0	6AGC077817	60

TWB CE 24 C 7-7M-0-0

_

US portfolio, single phase and three phase

Description

DC charger for electric vehicles, CCS1 and CHAdeMO Power supply network: 1 phase 200 - 240 V AC +/-10 % (60 Hz), 3 phase 480 V AC +/-10 % (60 Hz) Connectivity: Cellular connection, 3G / 4G, 2 port RJ45, Ethernet Metal Connector/cable holders for inside use provided standard with the product

	Rated DC output power 208 V (kW)	Rated DC output power 240 V (kW)	Charging standard	Cable length (m / ft)	Туре	Order code	Weight Pkg (1pce) (kg)
	Single phase						
	19.5	22.5	CCS1	3.5 / 12	TWB UL 24 C 0-7M-A-0	6AGC077773	60
	19.5	22.5	CCS1	7 / 23	TWB UL 24 C 7-7M-A-0	6AGC077778	60
	19.5	22.5	CHAdeMo / CCS1	3.5 / 23	TWB UL 24 CJ 0-7M-A-0	6AGC003684	60
1	19.5	22.5	CHAdeMo / CCS1	7 / 23	TWB UL 24 CJ 7-7M-A-0	6AGC076047	60

TWB UL 24 C 0-7M-A-0



Rated continuous power (kW)	Rated peak power (kW)	Charging standard	Cable length (m / ft)	Туре	Order code	Weight Pkg (1pce) (kg)
Three phase						
22.5	24	CCS1	3.5 / 12	TWB UL 3PH 24 CJ 0-7M-0-0	6AGC080248	60
22.5	24	CCS1	7 / 23	TWB UL 3PH 24 CJ 7-7M-0-0	6AGC081362	60
22.5	24	CHAdeMo / CCS1	3.5 / 12	TWB UL 3PH 24 C 0-7M-0-0	6AGC081363	60
22.5	24	CHAdeMo / CCS1	7 / 23	TWB UL 3PH 24 C 7-7M-0-0	6AGC081364	60

Terra DC wallbox accessories

			Weight Pkg (1 pce)
Description	Туре	Order code	(kg)
Pedestal For floor standing installation - Metallic structure (base material aluminium) - Internal conduits available for cabling - Supports up to 2 gun holders on each side - Should be installed with a foundation (not provided) - Dimensions: 1735.50 x 550 x 207.50 mm (H x W x D))		ABB6AGC082120	30
 Connector holder Plastic /cable holders for outside use: to be ordered separately * Metal cable holders for inside use are provided with the product			
CCS-1	TWB Ext.Con.Hol. CCS1	ABB6AGC076604	4.66
CCS-2	TWB Ext.Con.Hol. CCS2	ABB6AGC076603	4.14
CHAdeMO	TWB Ext.Con.Hol. J	ABB6AGC076601	4.24

Technical specification

Under SolutionUtweins 1-phaseUtweins 1-phaseCharging modeNpe4 - CCS 2. CHAdeMOType 4. CCS 1. CHAdeMONumber of outputOptional: dual output CS2Standard: single output CCS1Optional: dual output CHAdeMO + CCS 2Optional: dual output CHAdeMO + CCS 1Number of singling assainSingleSingleOutput cover rating assain		DC Wallbox 24 kW	DC Wallbox 24 kW	DC Wallbox 24 kW
Decompany on the second struct concept United control to struct concept Standard strugte output CCS2 Standard strugte output CCS3 Standard Strugte output CCS3 <th></th> <th></th> <th></th> <th></th>				
Number output Optional dual output CS2Standard single output CS1Standard single output CS1Optional dual output CHAdeMO + CS2Optional dual ou	DC output connection		·	·
Optimal dual cutput CMAdeMO + CCS 1 SingleOptimal dual cutput CMAdeMO + CCS 1 SingleOptimal dual cutput CMAdeMO + CCS 1 SingleOutput power rating Comput power rating02.5.5.W, 24.W (peak)19.5.W - 26.W 22.5.W - 24.W (peak)02.5.S.W, 24.W (peak)Output outer a Comput cutre a Comput cut	Charging mode	Type 4: CCS 2, CHAdeMO	Type 4: CCS 1, CHAdeMO	Type 4: CCS 1, CHAdeMO
Number of simultaneous charging essionSingleSingleOutput power rating022.5 kW. 24 kW (peak)25.5 kV. 240 V022.5 kW. 24 kW (peak)Output power rating60.5 DC60.6 DC60.6 DC60.6 DCOutput corrent60.5 DC60.6 DCCCS: 150320 V DCCCS: 150320 V DCChardsmon 150500 V DCCHadsMon 150500 V DCCCS: 150320 V DCCCS: 150320 V DCAtter part and answer and part of signal part of	Number of outputs	Standard: single output CCS2	Standard: single output CCS1	Standard: single output CCS1
charging session Charge Charge Charge Output power rating 022.5 kW, 24 kW (peak) 195 kW - 200 V 022.5 kW, 24 kW (peak) Output power rating 022.5 kW, 24 kW (peak) 195 kW - 200 V 022.5 kW, 24 kW (peak) Output current 022.5 kW, 24 kW (peak) 195 kW - 200 V 022.5 kW, 24 kW (peak) Output current 022.5 kW, 24 kW (peak) 195 kW - 200 V 022.5 kW, 24 kW (peak) At input concerned Extension 201 keg, 11 - NL 1 - L2) + PE NB At input concerned 3-phase, 40 A 100 A 3 phase, 40 X AC - /- 10 % Input tronstage 3-phase, 40 A 100 A 3 phase, 40 X AC - /- 10 % Input tronstage 3-phase, 40 X AC - /- 10 % 30 /- 60 V AC two wire -/- 10% 3 phase, 40 X AC - /- 10 % Input tronstage 3-phase, 40 X AC - /- 10 % 30 /- 60 V AC two wire -/- 10% 3 phase, 40 X AC - /- 10 % Power factor > 0.96 > 0.96 > 0.96 > 0.96 At input tronstage 30 /-10 X AC + /- 10 % 30 /-10 X AC + /- 10 % Power factor > 0.96 > 0.96 > 0.96		Optional: dual output CHAdeMO + CCS 2	Optional: dual output CHAdeMO + CCS 1	Optional: dual output CHAdeMO + CCS 1
Output power rating02.2 s FW. 24 kW (peak)19 s FW : 200 Y 25 kW : 240 Y02.2 s W. 24 kW (peak)Output voltage65.0 DC60 A DC60 A DCOutput voltageCCS : 500920 V DCCCS : 150920 V DCCCS : 150920 V DCCHadeMO : 150500 V DCCHadeMO : 150500 V DC24 2 %At input regression in the second of the second		Single	Single	Single
Unput oursel 22.5 Mr - 20.0 V 60.4 D/C 60.4 D/C Ourput oursels CC5.15092.0 V/DC CC5.15092.0 V/DC CC4.4640Mr - 15050.0 V/DC CL4.4640Mr - 15050.0 V/DC Arrange afficiency at Fulipower 2.9 % 2.92 % 2.92 % 2.92 % Arrange afficiency at Fulipower 2.92 % 2.92 % 2.92 % 2.92 % Arrange afficiency at Fulipower 2.92 % 2.92 % 2.92 % 2.92 % Arrange afficiency at Fulipower 3.92 % 2.92 % 2.92 % 2.92 % Input oursel and attrange and attrange attr		0 22.5 kW, 24 kW (peak)	19.5 kW - 208 V	0 22.5 kW, 24 kW (peak)
Output voltageCCS. 190920 VDC CHAdeMC: 190900 VDC				
CHAdeMo:150500 VDC CHAdeMo:150500 VDC CHAdeMo:150500 VDC Average difficulty prove 292 % 292 % 292 % 292 % Actingut connection 200 % 292 % 292 % 292 % Actingut connection 200 % 91 % N 87 % N 87 % N Earthing system 3P, N, PE 201 (1 - N, L1 - L2) + PE 3P, N, PE Input connection 3-phase, 40 A 100 A 20 mas, 40 A Input contract 3-phase, 40 A C 50 / 60 H 200 % 20 % S Input contract 50 / 60 H 200 % 20 % S 20 % S Input contract 50 / 60 H 20 % 20 % S 20 % S General dictortion (THDI) <8 %				
AC Input connection 2 wire (e.g. L1 - N, L1 - L2) + PE 3P, N, PE Earthing system 3P, N, PE Note that a neutral wire may not be available. 3P, N, PE input current 3-phase, 40.0 100.A 3 phase, 40.0 3 input frequency 50.72 50.76.0 3 3phase, 40.0 3 input frequency 50.76.72 50.76.0 3 50.76.74 30.76.74 Brows fractor > 0.36 > 0.36 > 0.36 50.70.74 50.76.74 Breason fractor > 0.36 > 0.36 > 0.36 50.70.74 50.76.74 Strensoling 770 x 584 x 294 mm 770 x 584 x 294	Output voltage			
Earthing system 3P, N, PE 2 wire (e.g. L1 = N, L1 = L2) + PE 3P, N, PE Input current 3-phase, 40 A 100 A 3 phase, 40 A input voltage 3-phase, 40 A 20B 2.40 A C two wire +/ 10% 3 phase, 40 A input voltage 3-phase, 400 V AC +/ 10 % 20B 50 / 60 Hz 50 / 60 Hz mout requency 50 Hz 50 / 60 Hz 50 / 60 Hz 50 / 60 Hz mout requency 50 Hz 30 50 HZ > 0.96 > 0.96 Marmonic distortion (THDI) 4 8 % < 4 %	Average efficiency at full power	≥ 92 %	≥ 92 %	≥ 92 %
Note that a neutral wire may not be available. Input corrent 3 phase, 40 A 100 A 3 phase, 40 A Input correct 3 phase, 40 V AC 1/- 10 % 20 Phase, 40 V AC 1/- 10 % 50 / 60 Hz Input protection External circuit breaker (not included) External circuit breaker (not included) External circuit breaker (not included) Protection 0.96 - 0.96 - 0.96 - 0.96 Protection 8 % - 8 % - 8 % General characteristics - 0.96 - 0.96 - 0.96 Dimensions 770 x 584 x 294 mm 770 x 584 x 294 mm - 770 x 584 x 294	AC input connection			
input voringe input voringe power factor3 phase, 40 X AC +/- 10 %3 phase, 40 X AC +/- 10 %input frequency50 Hz50 / 60 Hz50 / 60 Hzinput protectionExternal circuit breaker (not included)External circuit breaker (not included)Power factor> 0.96- 0.96- 0.96Bower factor> 0.96- 0.96- 0.96Brancisson- 70 × 584 × 294 mm- 70 × 584 × 294 mmIP ratingIP S4IP S4IP S4IP ratingIP S4IP S4IP S4Dorating altitude2500 m (8200 ft)- 250 m (8200 ft)Dorating altitude> 3545 °C- 3545 °CDorating altitude> 3545 °C- 3545 °CDorating altitude> 3545 °C- 3545 °CDorating altitude> 0.96IP S4Beregeery Stop Dutton	Earthing system	3P, N, PE		3P, N, PE
input orlingape3-phase 400 VAC +/- 10 %203240 VAC two wire +/- 10%50 phase 480 VAC +/- 10 %input protectionExternal circuit breaker (not included)External circuit breaker (not included)External circuit breaker (not included)Power factor> 0.96> 0.96> 0.96Power factor> 0.96> 0.96> 0.96Brearonic distortion (THO)< 8%	Input current	3-phase, 40 A		3 phase, 40 A
input protection50 Hz50 / 60 Hzinput protectionExternal circuit breaker (not included)External circuit breaker (not included)power factor> 0.96> 0.96> 0.96Barmonic distortion (THD)< 8 %		• •		• •
Input protectionExternal circuit breaker (not Included)External circuit breaker (not Included)Power factor> 0.96> 0.96Power factor> 0.96> 0.96Harmonic distortion (THDI)< 8 %				
Power factor > 0.96 > 0.96 > 0.96 Harmonic distortion (THD) < 8 %	,			
Harmonic distortion (THDi) <8 % <8 % <8 % <8 % <8 % <8 % <8 % <8				• •
General characteristics 710 x 584 x 294 mm 710 x 584 x 294 mm 710 x 584 x 294 mm Dimensions 710 x 584 x 294 ml. 57 inches 30.31 x 22.99 x 11.57 inches 30.31 x 22.99 x 11.57 inches IP rating IP54 IP54 IP54 IV rating IK10 (K08 for HMI) IK10 (K08 for HMI) IK10 (K08 for HMI) NEMA enclosure type Operating altrude 2500 m (8200 ft) 2500 m (8200 ft) Operating itmude 2500 m (8200 ft) 2500 m (8200 ft) 2500 m (8200 ft) Operating itmude 2500 m (8200 ft) 2500 m (8200 ft) 2500 m (8200 ft) Operating itmude 2500 m (8200 ft) 2500 m (8200 ft) 2500 m (8200 ft) Operating itmude Vall of floor using a pedestal Wall of floor using a pedestal Wall of floor using a pedestal Electromagnetic compatibility IEC 61000-6-3 Class B, suitable for residential IEC 61000-6-3 Class B, suitable for residential EC 61000-6-3 Class B, suitable for residential Screen type 7 LCD touchscreen display 7 LCD touchscreen display 1 LCD touchscreen display Languages English as standard Configuration Configuration Others innguages				
Dimensions 770 x 564 x 294 mm 770 x 564 x 294 mm 770 x 564 x 294 mm H x W x D 30.31 x 22.99 x 11.57 inches 30.31 x 22.99 x 11.57 inches 30.31 x 22.99 x 11.57 inches IP rating IP 54 IP 54 IP 54 IK rating IK 10 (K06 for HMI) IK 10 (K06 for HMI) IK 10 (K06 for HMI) IK rating IK 10 (K06 for HMI) IK 10 (K06 for HMI) IK 10 (K06 for HMI) Operating altitude 2500 m (8200 ft) 2500 m (8200 ft) 2500 m (8200 ft) Operating attemperature range -35 +45 °C -35 +45 °C -35 +45 °C Mounting Wall or floor using a pedestal Wall or floor using a pedestal Wall or floor using a pedestal Energency stop button type Push button Push button Push button Electromagnetic compatibility EC 61000-6-3 Class B, suitable for residential IEC 61000-6-3 Class B	. , ,	. 0 /0	0.00	- 0 /0
H w Y D30.31 x 22.99 x 11.57 inches30.31 x 22.99 x 11.57 inches30.31 x 22.99 x 11.57 inchesIP ratingIP54IP54IP54IK ratingIK10 (K08 for HMI)IK10 (K08 for HMI)IK10 (K08 for HMI)NEMA anclosure typeVEX0 (K08 for HMI)St00 (K08 for HMI)St00 (K08 for HMI)Operating altitude2500 m (8200 ft)2500 m (8200 ft)2500 m (8200 ft)Operating temperature range-35 +45 °C-35 +45 °C-35 +45 °CMountingWall of floor using a pedestalWall or floor using a pedestalWall or floor using a pedestalEmergency stop button typePush buttonPush buttonPush buttonElectromagnetic compatibilityIEC 61000-6-3 Class B, suitable for residentialEC 61000-6-3 Class B, suitable for residentialUser InterfaceIEC 61000-6-3 Class B, suitable for residentialEC 61000-6-3 Class B, suitable for residentialUser InterfaceIEC 61000-6-3 Class B, suitable for residentialEC 61000-6-3 Class B, suitable for residentialUser InterfaceIEC 61000-6-3 Class B, suitable for residentialEC 61000-6-3 Class B, suitable for residentialUser InterfaceIEC 61000-6-3 Class B, suitable for residentialEC 61000-6-3 Class B, suitable for residentialUser InterfaceTLCD touchscreen displayTLCD touchscreen displayTLCD touchscreen displayUser InterfaceContention 36/4CCellular connection 36/4CElefuenceContenticationConfigurationConfigurationConfigurationStand By MillityPLO (SO 14443 A + 8 to part 4 and ISO		770 x 584 x 294 mm	770 x 584 x 294 mm	770 x 584 x 294 mm
KratingIK10 (IK08 for HMI)KI10 (IK08 for HMI)IK10 (IK08 for HMI)NEMA closure typeNEMA 3 outdoorOperating altinude2500 m (8200 ft)2500 m (8200 ft)Operating temperature range-3545 °C-3545 °CMountingWall or floor using a pedestalWall or floor using a pedestalEmergency stop button typePush buttonPush buttonElectromagnetic compatibilityIEC 61000-6-3 Class B, suitable for residentialIEC 61000-6-3 Class B, suitable for residentialElectromagnetic compatibilityIEC 61000-6-3 Class B, suitable for residentialIEC 61000-6-3 Class B, suitable for residentialJaguagesT LCD touchscreen display7 LCD touchscreen displayT LCD touchscreen displayLanguagesT LCD touchscreen displayConfigurationConfigurationStand by IndicatorYesYesYesYesConnectivityCellular connection 36/4GCellular connection 36/4G2 port RJ45 Ethernet2 port RJ45 EthernetUser athericationNFID (S0 14443 + 8 to part 4 and ISO/IECNFID (S0 14443 + 8 to part 4 and ISO/IECNFID (S0 14443 + 8 to part 4 and ISO/IECConfigurationOrber 15, 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0NCPP 1.5, ABB web portalOCP 1.5, ABB web portalConfiguration via ABB AbilityAuthenticationOn-screen PIN code authenticationPayeas, HID, and more)Payass, HID, and more)Payass, HID, and more)Payass, HID, and more)Payass, HID, and more)On-screen PIN code authenticationPayeas, HID, and more)Payass, HID, and more) <t< td=""><td></td><td></td><td></td><td></td></t<>				
KratingIK10 (IK08 for HMI)KI10 (IK08 for HMI)IK10 (IK08 for HMI)NEMA closure typeNEMA 3 outdoorOperating altinude2500 m (8200 ft)2500 m (8200 ft)Operating temperature range-3545 °C-3545 °CMountingWall or floor using a pedestalWall or floor using a pedestalEmergency stop button typePush buttonPush buttonElectromagnetic compatibilityIEC 61000-6-3 Class B, suitable for residentialIEC 61000-6-3 Class B, suitable for residentialElectromagnetic compatibilityIEC 61000-6-3 Class B, suitable for residentialIEC 61000-6-3 Class B, suitable for residentialJaguagesT LCD touchscreen display7 LCD touchscreen displayT LCD touchscreen displayLanguagesT LCD touchscreen displayConfigurationConfigurationStand by IndicatorYesYesYesYesConnectivityCellular connection 36/4GCellular connection 36/4G2 port RJ45 Ethernet2 port RJ45 EthernetUser athericationNFID (S0 14443 + 8 to part 4 and ISO/IECNFID (S0 14443 + 8 to part 4 and ISO/IECNFID (S0 14443 + 8 to part 4 and ISO/IECConfigurationOrber 15, 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0NCPP 1.5, ABB web portalOCP 1.5, ABB web portalConfiguration via ABB AbilityAuthenticationOn-screen PIN code authenticationPayeas, HID, and more)Payass, HID, and more)Payass, HID, and more)Payass, HID, and more)Payass, HID, and more)On-screen PIN code authenticationPayeas, HID, and more)Payass, HID, and more) <t< td=""><td>IP rating</td><td></td><td>IP54</td><td>IP54</td></t<>	IP rating		IP54	IP54
NEMA enclosure type NEMA 3 outdoor NEMA 3 outdoor Operating altitude 2500 m (8200 ft) 2500 m (8200 ft) 2500 m (8200 ft) Operating temperature range 35 +45 °C -35 +45 °C -35 +45 °C Mounting Wall or floor using a pedestal Electromagnetic compatibility Push button Push button Push button Electromagnetic compatibility ElC 61000-6-3 Class B, suitable for residentil IEC 61000-6-3 Class B, suitable for residentil IEC 61000-6-3 Class B, suitable for residentility Electromagnetic Compatibility Electromagnetic Compatibility Electromagnetic Colobol-6-3 Class B, suitable for residentility Electromagnetic Compatibility Electromagnetic Compatibility Electromagnetic Colobol-6-3 Class B, suitable via software configuration Connectivity English as standard configuration Configuration Configuration Configuration Communication protocol OCPP 15/16/2.0 OCPP 15/16/2.0 OCPP 15/16/2.0 OCPP 15/16/2.0 Configuration On-screen PIN code authentication On-screen PIN code authentication Po-screen PIN code authentication Po	-	IK10 (IK08 for HMI)	IK10 (IK08 for HMI)	IK10 (IK08 for HMI)
Operating altitude 2500 m (8200 ft) 2500 m (8200 ft) 2500 m (8200 ft) Operating temperature range -35+45°C -35+45°C -35+45°C Mounting Wall or floor using a pedestal Wall or floor using a pedestal Wall or floor using a pedestal Emergency stop button type Push button Push button Push button Push button Electromagnetic compatibility IEC 61000-6-3 Class B, suitable for residential IEC 61000-6-3 Class B, suitable for residential EC 61000-6-3 Class B, suitable for residential User Interface environment environment environment English as standard Configuration Colubscreen display 7 LCD touchscreen display 7 LCD touchscreen display Standby indicator Yes Yes Yes Connection 36/46 Cellular connection 36/46 Cellular connection 36/46 Cellular connection 36/46 2 port R145 Ethernet 2 port R145 Ethernet 2 port R145 Ethernet 2 port R145 Ethernet Communication protocol CCPP 1.5 / 1.6 / 2.0 CCPP 1.5 / 1.6 / 2.0 CCPP 1.5 / 1.6 / 2.0 User athentication Phis Ast at part 4 and ISO/IEC TSFGM NFR.NC			NEMA 3 outdoor	NEMA 3 outdoor
Operating temperature range -35 +45 °C -35 +45 °C -35 +45 °C Mounting Wall or floor using a pedestal Wall or floor using a pedestal Wall or floor using a pedestal Benergency stop button type Push button Push button Electromagnetic compatibility IEC 61000-6-3 Class B, suitable for residential IEC 61000-6-3 Class B, suitable for residential User Interface TLCD touchscreen display TLCD touchscreen display TLCD touchscreen display Streen type 7 LCD touchscreen display English as standard Others languages available via software configuration Others languages available via software configuration Configuration Configuration Configuration Standby indicator Yes Yes Cellular connection 3C/4G 2 port RJ45 Ethernet 2 port RJ45 Ethernet Communication protocol OCPP 1.5 / 1.6 / 2.0 User athentication RFID (ISO 14443 A + 8 to part 4 and ISO/IEC FID (ISO 14443 A + 8 to part 4 and ISO/IEC FID (ISO 14443 A + 8 to part 4 and ISO/IEC FID (ISO 14443 A + 8 to part 4 and ISO/IEC FID (ISO 1443 A + 8 to part 4 and ISO/IEC FID (ISO 1443 A + 8 to part 4 and ISO/IEC FID (ISO 1443 A + 8 to part 4 and ISO/IEC FID (ISO 1443 A + 8 to part 4 and ISO/IEC FID (ISO 1443 A + 8 to part 4 and ISO/IEC FID (ISO 1443 A + 8 to part 4		2500 m (8200 ft)		
Mounting Wall or floor using a pedestal Wall or floor using a pedestal Emergency stop button type Push button Push button Push button Electromagnetic compatibility IEC 61000-63 Class B, suitable for residential IEC 61000-63 Class B, suitable for residential User Interface environment environment Screen type 7 LCD touchscreen display 7 LCD touchscreen display Languages English as standard English as standard Others languages available via software Configuration Others languages available via software Connectivity Cellular connection 3G/4G Cellular connection 3G/4G 2 port RJ45 Ethernet Communication protocol OCPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 User athentication RFID (ISO 14443 A + B to part 4 and ISO/IEC FISD (ISO 1443 A + B to part 4 and ISO/IEC FISD (ISO 1443 A + B to part 4 and ISO/IEC Configuration Outper schemet OPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 User athentication RTD (ISO 1443 A + B to part 4 and ISO/IEC FISD (ISO 1443 A + B to part 4 and ISO/IEC FISD (ISO 1443 A + B to part 4 and ISO/IEC FISD (ISO 1443 A + B to part 4 and ISO/IEC Configuration				
Emergency stop button typePush buttonPush buttonPush buttonElectromagnetic compatibilityIEC 61000-6-3 Class B, suitable for residentialIEC 61000-6-3 Class B, suitable for residentialIEC 61000-6-3 Class B, suitable for residentialUser InterfaceenvironmentenvironmentenvironmentScreen type7 LCD touchscreen display7 LCD touchscreen displayTLCD touchscreen displayLanguagesEnglish as standard Others languages available via software configurationEnglish as standard Others languages available via software configurationEnglish as standard Others languages available via software configurationCellular connection 36/4G 2 port RJ45 EthernetCellular connection 36/4G 2 port RJ45 EthernetCellular connection 36/4G 2 port RJ45 EthernetCellular connection 36/4G 2 port RJ45 EthernetCoPP 1.5 / 1.6 / 2.0Communication protocolOCPP 1.5 / 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0User athenticationRFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)FRID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)PayBas, HID; and more)On-screen PIN code authentication Plug & charge (ISO 15118)Plug & charge (ISO 15118)Plug & charge (ISO 15118)OcfP 1.6, ABB web portalOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalConfiguration via local servicesAuthentication Payment Monitoring Remote diagnostic RepairPayBas, IID; and more)Payment Monitoring Remote diagnostic Repair				
Electromagnetic compatibility IEC 61000-6-3 Class B, suitable for residential IEC 61000-6-3 Class B, suitable for residential IEC 61000-6-3 Class B, suitable for residential War Interface environment environment environment Screen type 7 LCD touchscreen display 7 LCD touchscreen display 7 LCD touchscreen display Languages English as standard Others languages available via software configuration English as standard Others languages available via software configuration Configuration Standby indicator Yes Yes Ves Connectivity Cellular connection 3G/4G 2 port R145 Ethernet 2 port R145 Ethernet 2 port R145 Ethernet Communication protocol OCPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 User athentication RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) PayPass, HID; and more) PayPass, HID; and more) On-screen PIN code authentication Plug & charge (ISO 15118) Plug & charge (ISO 15118) Plug & charge (ISO 15118) Configuration Authentication Authentication Authentication				
User Interface 7 CDC touchscreen display 7 CLD touchscreen display ClD touchscreen display ClD touchscreen display Chers languages available via software configuration Standby indicator Yes Comectivity Cellular connection 3G/4G Cellular connection 3G/4G Cellular connection 3G/4G 2 port RJ45 Ethernet 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)		IEC 61000-6-3 Class B, suitable for residential	IEC 61000-6-3 Class B, suitable for residential	IEC 61000-6-3 Class B, suitable for residential
Screen type 7 LCD touchscreen display 7 LCD touchscreen display 7 LCD touchscreen display Languages English as standard English as standard English as standard English as standard Others languages available via software configuration Yes Yes Yes Connectivity Cellular connection 3G/4G Cellular connection 3G/4G Cellular connection 3G/4G Communication protocol OCPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 OCPP 1.5 / 1.6 / 2.0 User athentication RFID (ISO 14443 A + B to part 4 and ISO/IEC RFID (ISO 14443 A + B to part 4 and ISO/IEC RFID (ISO 14443 A + B to part 4 and ISO/IEC Non-screen PIN code authentication On-screen PIN code authentication On-screen PIN code authentication Or Screen PIN code authentication Software update OCPP 1.6, ABB web portal OCPP 1.6, ABB web portal OCPP 1.6, ABB web portal configuration via ABB Ability Authentication Authentication Payment Payment Payment Payment Payment Repair Repair Repair Repair Repair Repair Repair Repair Repa		environment	environment	environment
LanguagesEnglish as standard Others languages available via software configurationEnglish as standard Others languages available via software configurationEnglish as standard Others languages available via software configurationStandby indicatorYesYesYesYesConnectivityCellular connection 3G/4G 2 port RJ45 EthernetCellular connection 3G/4G 		7 LCD touchscreen display	7 LCD touchscreen display	7 LCD touchscreen display
Standby indicator Yes Yes Standby indicator Yes Cellular connection 3G/4G Cellular connection 3G/4G Cellular connection 3G/4G Connectivity Cellular connection 3G/4G 2 port RJ45 Ethernet 2 port RJ45 Ethernet Communication protocol OCCP 1.5 / 1.6 / 2.0 OCCP 1.5 / 1.6 / 2.0 OCCP 1.5 / 1.6 / 2.0 User athentication RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) PayPass, HID; and more) On-screen PIN code authentication On-screen PIN code authentication On-screen PIN code authentication On-screen PIN code authentication Plug & charge (ISO 15118) Configuration Authentication Authentication Authentication Configuration via ABB Ability Payment Payment Payment Monitoring Remote control and Authentication Monitoring Remote control and Please contact your ABB local organization Please contact your ABB local organization Coffiguration via ABB Ability Please contact your ABB local organization Please contact your ABB local organization Remote control and configuration via ABB Ability Payment Payment Payment Configuration via ABB Ability		English as standard Others languages available via software	English as standard Others languages available via software	English as standard Others languages available via software
ConnectivityCellular connection 3G/4G 2 port R145 EthernetCellular connection 3G/4G 2 port R145 EthernetCellular connection 3G/4G 2 port R145 EthernetCommunication protocolOCPP 1.5 / 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0User athenticationRFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 	Charles allow the strength of the			
Communication protocolOCPP 1.5 / 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0OCPP 1.5 / 1.6 / 2.0User athenticationRFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)RFID (ISO 14443 A + B to part 4 and ISOConfigurationAuthenticationOn-screen PIN code authentication Plug & charge (ISO 15118)On-screen PIN code authentication Plug & charge (ISO 15118)NetworkConfiguration via ABB Ability connected servicesOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalAuthentication Payment Payment Payment Payment Remote diagnostic RepairAuthentication Remote diagnostic RepairPeiase contact your ABB local organization Please contact your ABB local organization Please contact your ABB local organization UL 2002Please contact your ABB local organizatio <td></td> <td></td> <td></td> <td></td>				
User athentication RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) RFID (ISO 14443 A + B to part 4 and ISO/IEC 15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) Seg3 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more) On-screen PIN code authentication On-screen PIN code authentication On-screen PIN code authentication Plug & charge (ISO 15118) Plug & charge (ISO 15118) Plug & charge (ISO 15118) Configuration Authentication Authentication Payment Payment Payment Payment Payment Payment Payment Repair Repair Remote control and configuration via ABB Ability Please contact your ABB local organization Please contact your ABB local organization Please control and configuration via local service tool Please contact your ABB local organization Please contact your ABB local organization Codes and standards EN 61851-1 EN 61851-1 EN 61851-1 EN 61851-2 UL 2002 UL 2002 UL 2002 Certification CE, EMC Class B UL,	Communication protocol			•
15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)15693 Mifare, NFC, Calypso, Ultralight, PayPass, HID; and more)On-screen PIN code authentication Plug & charge (ISO 15118)On-screen PIN code authentication Plug & charge (ISO 15118)On-screen PIN code authentication Plug & charge (ISO 15118)On-screen PIN code authentication Plug & charge (ISO 15118)ConfigurationSoftware update PaymentOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalSoftware update configuration via ABB Ability connected servicesOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalRemote control and configuration via local service toolAuthentication PaymentAuthentication PaymentPayment PaymentRemote control and configuration via local service toolPlease contact your ABB local organizationPlease contact your ABB local organizationPlease contact your ABB local organizationCoefficientionEN 61851-1 EN 61851-1 EN 61851-2 UL 2202EN 61851-1 EN 61851-2 UL 2202EN 61851-1 EN 61851-2 UL 2202EN 61851-1 EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B	· ·			
Plug & charge (ISO 15118)Plug & charge (ISO 15118)Plug & charge (ISO 15118)ConfigurationSoftware updateOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalRemote control and configuration via ABB Ability connected servicesAuthenticationAuthentication PaymentAuthentication PaymentAuthentication PaymentRemote diagnostic RepairRemote diagnostic RepairRemote diagnostic RepairRemote diagnostic RepairRemote diagnostic RepairRemote control and configuration via local service toolPlease contact your ABB local organizationPlease contact your ABB local organizationPlease contact your ABB local organizationCodes and standardsEN 61851-1 EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B	user amendication	15693 Mifare, NFC, Calypso, Ultralight,	15693 Mifare, NFC, Calypso, Ultralight,	15693 Mifare, NFC, Calypso, Ultralight,
Configuration Software update OCPP 1.6, ABB web portal OCPP 1.6, ABB web portal Remote control and configuration via ABB Ability connected services Authentication Authentication Monitoring Remote diagnostic Repair Monitoring Remote diagnostic Repair Monitoring Remote diagnostic Repair Monitoring Remote diagnostic Repair Please contact your ABB local organization Please contact your ABB local organization Please contact your ABB local organization Please contact your ABB local organization Codes and standards EN 61851-1 EN 61851-2 UL 2202 EN 61851-2 UL 2202 EN 61851-2 UL 2202 Certification CE, EMC Class B UL, FCC, EMC Class B UL, FCC, EMC Class B		On-screen PIN code authentication	On-screen PIN code authentication	On-screen PIN code authentication
Software updateOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalRemote control and configuration via ABB Ability connected servicesAuthentication PaymentAuthentication PaymentAuthentication PaymentMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairConfiguration via local service toolPlease contact your ABB local organizationPlease contact your ABB local organizationCertification and standards Local standardsEN 61851-1 EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B		Plug & charge (ISO 15118)	Plug & charge (ISO 15118)	Plug & charge (ISO 15118)
Software updateOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalOCPP 1.6, ABB web portalRemote control and configuration via ABB Ability connected servicesAuthentication PaymentAuthentication PaymentAuthentication PaymentMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairConfiguration via local service toolPlease contact your ABB local organizationPlease contact your ABB local organizationCertification and standards Local standardsEN 61851-1 EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B	Configuration			
configuration via ABB Ability connected servicesPaymentPaymentPaymentMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairRemote control and configuration via local service toolPlease contact your ABB local organizationPlease contact your ABB local organizationPlease contact your ABB local organizationCertification and standardsEN 61851-1 EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B		OCPP 1.6, ABB web portal	OCPP 1.6, ABB web portal	OCPP 1.6, ABB web portal
configuration via ABB Ability connected servicesPaymentPaymentPaymentMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairMonitoring Remote diagnostic RepairRemote control and configuration via local servicePlease contact your ABB local organizationPlease contact your ABB local organizationPlease contact your ABB local organizationCoffication and standardsEN 61851-1 EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B	Remote control and	Authentication	Authentication	Authentication
Remote diagnostic Repair Remote diagnostic Repair Remote diagnostic Repair Remote diagnostic Repair Remote control and configuration via local service tool Please contact your ABB local organization Please contact your ABB local organization Please contact your ABB local organization Certification and standards EN 61851-1 EN 61851-2 UL 2202 EN 61851-2 UL 2202 EN 61851-2 UL 2202 EN 61851-2 UL 2202 Certification CE, EMC Class B UL, FCC, EMC Class B UL, FCC, EMC Class B		-	•	2
RepairRepairRepairRepairRemote control and configuration via local servicePlease contact your ABB local organizationPlease contact your ABB local organizationPlease contact your ABB local organizationCertification and standardsEN 61851-1EN 61851-1EN 61851-1Codes and standardsEN 61851-2EN 61851-2EN 61851-2UL 2202UL 2202UL 2202UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B	connected services	5	5	-
Remote control and configuration via local service toolPlease contact your ABB local organizationPlease contact your ABB local organizationPlease contact your ABB local organizationCertification and standardsEN 61851-1 EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202EN 61851-2 UL 2202CertificationCE, EMC Class BUL, FCC, EMC Class BUL, FCC, EMC Class B			-	
Certification and standards EN 61851-1 EN 61851-1 EN 61851-1 Codes and standards EN 61851-2 EN 61851-2 EN 61851-2 UL 2202 UL 2202 UL 2202 UL 2202 Certification CE, EMC Class B UL, FCC, EMC Class B UL, FCC, EMC Class B		•	•	Please contact your ABB local organization
Codes and standards EN 61851-1 EN 61851-1 EN 61851-1 EN 61851-2 EN 61851-2 EN 61851-2 EN 61851-2 UL 2202 UL 2202 UL 2202 UL 2202 Certification CE, EMC Class B UL, FCC, EMC Class B UL, FCC, EMC Class B				
EN 61851-2 UL 2202 EN 61851-2 UL 2202 EN 61851-2 UL 2202 EN 61851-2 UL 2202 Certification CE, EMC Class B UL, FCC, EMC Class B UL, FCC, EMC Class B				
Certification CE, EMC Class B UL, FCC, EMC Class B UL, FCC, EMC Class B	Codes and standards	EN 61851-2	EN 61851-2	EN 61851-2
Warranty extention possible Warranty extention possible Warranty extention possible				



For more information please contact:

ABB EV Infrastructure

Delftweg 65 2289 BA Rijswijk The Netherlands Phone: +31 70 307 6200 E-mail: info.evci@nl.abb.com

abb.com/evcharging

