

Technical Datasheet

Power input	Pro version	Lite version	Home version
AC input voltage range	¹ 230 VAC ±20%, 50 Hz, ² 400 VAC ±20%, 50 Hz		
AC input power connection	¹ 1-phase: L1, N, PE, ² 3-phase: L1, L2, L3, N, PE		
Nominal input current per phase	Max 32 A, current limiting options available		
Standby power	7.5W (no vehicle mode)	7.5W (no vehicle mode)	7.5W (no vehicle mode)
Grounding systems	Must be grounded! Supported grounding systems: TN-S, TN-C, TN-C-S and TT		
Installation power input cable	Cables must be sized by maximum charging current/power, flexible stranded 5x2.5mm ² ... 5x6mm ² copper conductor insulated with rubber cable		
Overvoltage category	CAT. III		
Power output			
AC output voltage range	¹ 230 VAC ±20%, 50 Hz, ² 400 VAC ±20%, 50 Hz		
Nominal output current per phase	Max 32 A		
Maximum charging power	¹ 7.4 kW, ² 22 kW		
Connection	Type 2 cable, Type 2 socket, according to IEC 62196-1, IEC 62196-2		
Number of sockets	1		
Internal residual current sensor	AC 30 mA, DC 6 mA		No supported
Electrical protections	Over current, ³ short circuit, over voltage, under voltage, ⁴ ground fault protection, ⁵ surge protection over temperature, tamper protection, cold start, grid capacity protection		
Cold load pick-up	Randomized delay between 5 and 100 seconds before the charge resume after power outages		
Frost protection	Smart enclosure climate control protects against contactor frosting		No supported
Dynamic load management	⁶ Anti-tripping system is a power load management system to adapt continuously the power delivered by the charger to the EV according to power available at home/office		No supported
Lock actuator for socket	Prevents cable from being pulled out when charging an electric car, cable unlock function in case of power failure		
Resume charging after the power failure	The charging session will resume after the power failure when power is available again		
Interface and Control			
Charging modes	Mode 3		
Network connection	10/100 Base-T Ethernet (WAN/LAN), high performance daisy chain RS485 (cable length up to 1km)		RS485 (cable length up to 1km)
Communication	⁷ OCPP 1.6J, Enhanced security for OCPP 1.6		No supported
Web configuration tool	⁷ Allows configuration & backup, access management, remote diagnostics and repair with laptop or smartphone		No supported
Credit card payment	Available on request	No supported	No supported
User interface	High brightness LED ring around socket indicates status, daylight readable display		
Support languages	English, others available on request		
RFID system	ISO/IEC14443A/B, ISO/IEC15693, MIFARE Classic 1K/4K, MIFARE DESFire, FeliCa, NFC reader with tag emulation mode. Plug & Charge without authentication is configurable.		
⁸ Non-volatile storage offline capacity	Authorization Cache: 10000 records, Local Authorization List: 10000 records, Transaction-related messages: 17280 records		No supported
Environment			
Indoor ventilation during supply of energy	EV supply equipment exchange information with installation regarding the request and presence for ventilation		
Operating temperature	-40 °C to +55 °C, higher temperatures available on request with performance derating		
Recommended storage conditions	-10 °C to +70 °C, dry environment		
Protection	Type 2 cable version: IP65, IK08, Type 2 socket version: IP54, IK10		
Humidity	5% to 95%, non-condensing		
Package Dimensions (H x W x D)	585 x 298 x 235 mm		
Altitude	2500 m		
General			
Dimensions (H x W x D)	Case material	Weight PRO series/ Light & Home	Product certifications
480 x 230 x 196 mm (depth with socked)	Polycarbonate Black	Only charger 5.46 kg / 5.39 kg With packaging 8.27 kg / 8.2 kg	CE Declaration, EU RoHS Declaration REACH Declaration

¹ Single phase configuration.

² Three phase configuration.

³ It is mandatory to install 40A (or lower amperage according to the installation requirements) circuit-breaker device in LV switchboard supplying power to electrical car charger.

⁴ It is mandatory to install residual current device (30mA, type A or B) in LV switchboard supplying power to electrical car charger.

⁵ See product order codes that support this feature.

⁶ Using external smart meter.

⁷ The Lite version of the device can provide all the functions available in the Pro version when multiple Lite devices are connected to a central Pro device, which acts as the group coordinator.

⁸ Offline mode could last for minimum 6 months (continuous charging session) when loosing default OCPP configuration settings.

Product label & order options

	A – Brand B – Product description C – Serial number D – Model code E – power, ingress and impact protection rating level F – Ethernet router configuration G – installed MID metering information H – QR code for automated inventory identification/management, example: I – Address of the manufacturer J – Certification marks The model code has 9 parts: X1 – X9. Standard IGLU Charge AC Series Pro model code: C320002100. Standard IGLU Charge AC Series Lite model code: A320000100. Warning: Please contact the manufacturer for other product model code availability and delivery terms.
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Description	Meaning of the value	Code								
		X1	X2	X3	X4	X5	X6	X7	X8	X9
Type	Coordinator, IGLU Charge AC Series Pro	C								
	Assistant, IGLU Charge AC Series Lite	A								
	IGLU Charge Home Series	H								
Charging current	6 Amp		06							
	..		..							
	16 Amp		16							
	20 Amp		20							
	32 Amp		32							
Power output connection	Type 2 socket with lock (IP54, IK10)			0						
	Type 2 cable (IP65, IK08)			1						
Charging cable length	No cable				00					
	2 m				02					
	..				..					
	15 m				15					
Ethernet router	No Ethernet					0				
	LAN port 1					1				
	WAN port 1					2				
	WAN port 1 & LAN port 2					3				
Metering	Not certified						0			
	MID certified						1			
Display or payment terminal	No							0		
	Daylight readable display							1		
	Credit card payment terminal							2		
Surge protector	No								0	
	Yes								1	
Customization Identifier	Default (no customizations)									blank
	Heater Installed									H
	Configuration variant									K or S
This code is used to denote customer-specific requirements or options that do not impact on the certified functionality of the entire product family. Each identifier corresponds to a unique set of customizations that extends the information provided in this datasheet. A separate datasheet annex document shall be provided for each customization, outlining the specific details and features associated with that identifier.										/XXXX

Example product model

X6 X8
 C320002100
 X1 X2 X3 X4 X5 X7

X1 = C = Type, Pro version
 X2 = 32 = Charging current, 32 Amps
 X3 = 0 Type 2 socket with lock
 X4 = 00 = no charging cable

X5 = 2 = Ethernet router, WAN port
 X6 = 1 = Metering, MID certified
 X7 = 1 = Daylight readable display
 X8 = 0 = Surge protector, No