

## Technical Datasheet

Power input	Pro version	Lite version	
AC Input voltage range	<sup>1</sup> 230 VAC ±20%, 50 Hz, <sup>2</sup> 400 VAC ±20%, 50 Hz		
AC input power connection	<sup>1</sup> 1-phase: L1, N, PE, <sup>2</sup> 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)		
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 5x2.5mm2 ... 5x6mm2 copper conductor insulated with rubber cable		
Overvoltage category	CAT. III		
Power output			
AC output voltage range	<sup>1</sup> 230 VAC ±20%, 50 Hz, <sup>2</sup> 400 VAC ±20%, 50 Hz		
Nominal output current per phase	Max 32 A		
Maximum charging power	<sup>1</sup> 7.4 kW, <sup>2</sup> 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		
Electrical protections	Over current, <sup>3</sup> short circuit, over voltage, under voltage, <sup>4</sup> ground fault protection, <sup>5</sup> 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		
Dynamic load management	<sup>6</sup> 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		
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	<sup>7</sup> GSM/4G/5G modem, 10/100 Base-T Ethernet (WAN/LAN), 2.4GHzWiFi, high performance daisy chain RS485 (cable length up to 1km)		
Communication	<sup>7</sup> OCPP 1.6J, Enhanced security for OCPP 1.6		
Web configuration tool	<sup>7</sup> Allows configuration & backup, access management, remote diagnostics and repair with laptop or smartphone		
Credit card payment	Available on request	Not 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.		
<sup>8</sup> Non-volatile storage offline capacity	Authorization Cache: 10000 records, Local Authorization List: 10000 records, Transaction-related messages: 17280 records		
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		
Altitude	2500 m		
General			
Dimensions (H x W x D)	Case material	Weight	Product certifications
480 x 230 x 195 mm	Polycarbonate Black	Only charger 3.7 kg With packaging 5.8 kg	CE Declaration, EU RoHS Declaration REACH Declaration

<sup>1</sup> Single phase configuration.

<sup>2</sup> Three phase configuration.

<sup>3</sup> 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.

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

<sup>5</sup> See product order codes that support this feature.

<sup>6</sup> Using external smart meter.

<sup>7</sup> The Lite version of the device is capable of providing 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.

<sup>8</sup> Offline mode could last for minimum 6 months (continuous charging session) when using 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.

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								
Charging current	6 Amp		06							
	..		..							
	16 Amp		16							
	20 Amp		20							
Power output connection	32 Amp		32							
	Type 2 socket with lock (IP54, IK10)			0						
Charging cable length	Type 2 cable (IP65, IK08)			1						
	No cable				00					
Ethernet router	2 m				02					
	..				..					
	15 m				15					
	No Ethernet					0				
Metering	LAN port 1					1				
	WAN port 1					2				
	WAN port 1 & LAN port 2					3				
	Not certified						0			
Display or payment terminal	MID certified						1			
	No							0		
Surge protector	Daylight readable display								1	
	Credit card payment terminal									2
Customization Identifier	No									0
	Yes									1
Customization Identifier	Default									blank

This code is used to denote customer-specific requirements or options that do not impact the certified functionality of the entire product family. Each identifier corresponds to a unique set of customizations that extend 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.

### Example product model



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