

EVCB-LB-3AC-10 / EVCB-3AC-10



## Flexible use

- For new and existing PV systems
- As single device with two charging points or in parks with several charging points

## Fast and easy to use

- Charging with up to 2 x 22 kW per charger
- Integrated RFID card reader
- Can be easily integrated into your SMA Energy System

## Ease of mind

- Everything from a single source
- Overload protection of the point of interconnection
- Integrated direct current failure monitoring

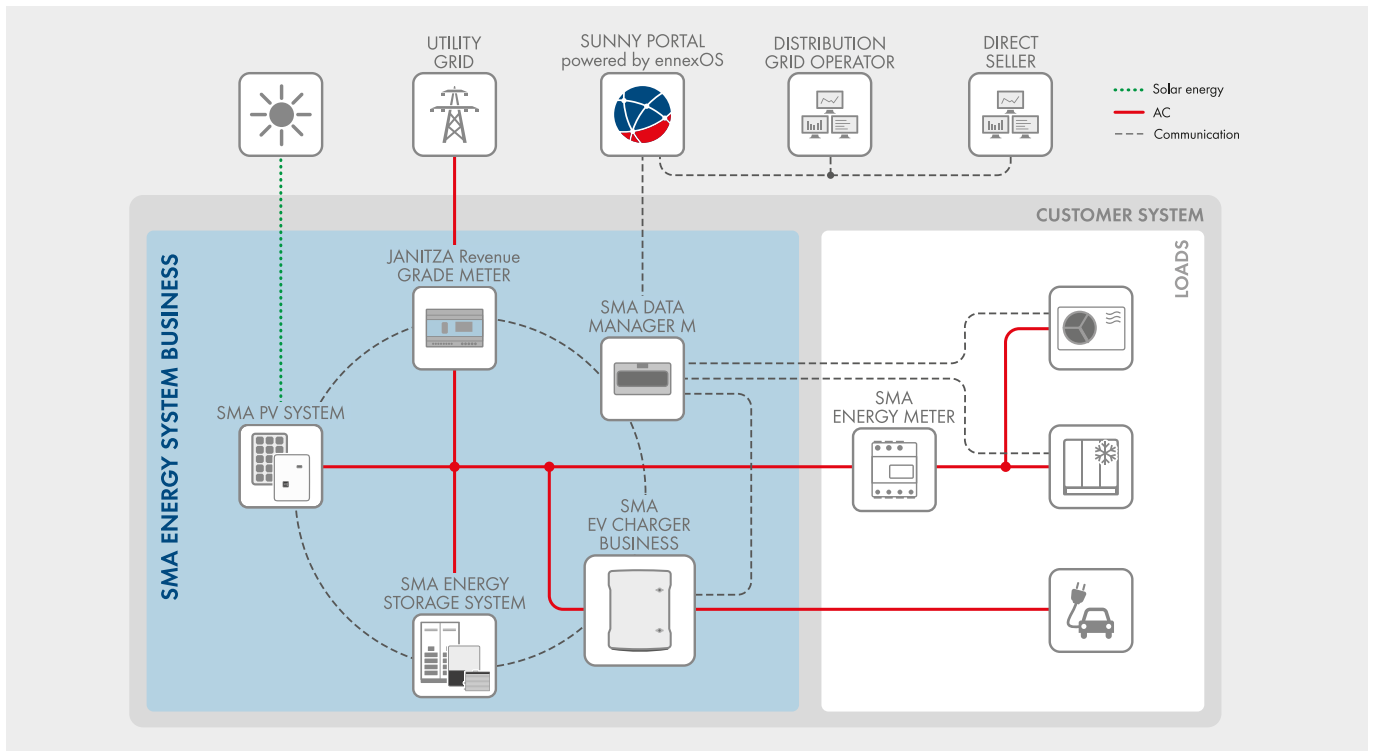
## Sustainable

- Produced in Germany
- CO<sub>2</sub>-neutral mobility
- Dynamic EV charging is integrated in the charger

## SMA EV CHARGER BUSINESS

Charging infrastructure for e-mobility in the commercial sector

With the new SMA EV Charger Business, a commercial charging infrastructure for single point charging stations or parks with several charging points can be quickly and easily implemented. Each charger features two convenient charging points for electric vehicles including charging cable and type-2 plugs or charging sockets. As part of SMA Energy System Business, SMA EV Charger Business is a fully integrated e-mobility solution that also enables refueling with solar power and can be expanded with SMA's commercial storage system anytime. Thanks to RFID and OCPP interface, the charger can be flexibly integrated into various charging backends and billing systems. Thanks to the flexible concept, SMA EV Charger Business can either be mounted on the wall or installed as a free-standing charging station.



Technical data	SMA EV Charger Business with charging socket	SMA EV Charger Business with charging cable
<b>Inputs and outputs (AC)</b>		
Charging power per charging point	up to 22 kW	
Nominal voltage	230 VAC / 400 VAC	
Nominal frequency	50 Hz	
Nominal current per charging point	max. 32 A	
Number and type of charging points	2x type-2 charging socket	2x type-2 charging cable (7.5 m)
Operating mode for charging processes	Mode 3 (charging with alternating current) according to IEC 61851-1	
<b>Communication</b>		
Interface	Ethernet RJ-45 (LAN)	
OCPP	OCPP 1.6 JSON	
PLC (ISO 15118)	●	
EEBUS	●	
<b>Protective devices</b>		
DC residual current detection per charging point	6 mA	
Residual-current device per charging point	4-pole 40 / 0.03 A type A	
Miniature circuit breaker	ext. necessary, per cable max. C 32 A, 3-pole	
<b>Ambient conditions and operation</b>		
Operating temperature range	-25 °C to +40 °C (-13 °F to +104 °F)	
Degree of protection (according to IEC 60529) / impact resistance	IP54 / IK08	
Protection class (according to IEC 62103) / overvoltage category	I / III	
Maximum permissible value for relative humidity	5% to 90%	
Altitude above MSL	0 m to 2000 m	
<b>General data</b>		
Dimensions (W/H/D)	409 mm / 490 mm / 176 mm	430 mm / 490 mm / 176 mm
Weight	13.5 kg	21 kg
Connection cross-section	with NYYY max. 5 x 10 mm <sup>2</sup>	
Grid configurations	TN, TN-S, TT	
Display	LED, LCD indication (meter)	
<b>Features / accessories</b>		
Integrated charging cable	—	7.5 m
Integrated energy meter	MID-compatible	
Dynamic EV charging	●	
Authorization	RFID	
Warranty	2 years	
Certificates and approvals	IEC 61851-1:2019	
System compatibility	SMA Data Manager M	
Charging stand	○	
RFID cards (MIFARE DESFire)	●	
Type designation	EVCB-LB-3AC-10	EVCB-3AC-10

● Standard features ○ Optional features — Not available Data in nominal conditions, Last revision: 06/2022