SMA EV CHARGER BUSINESS

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

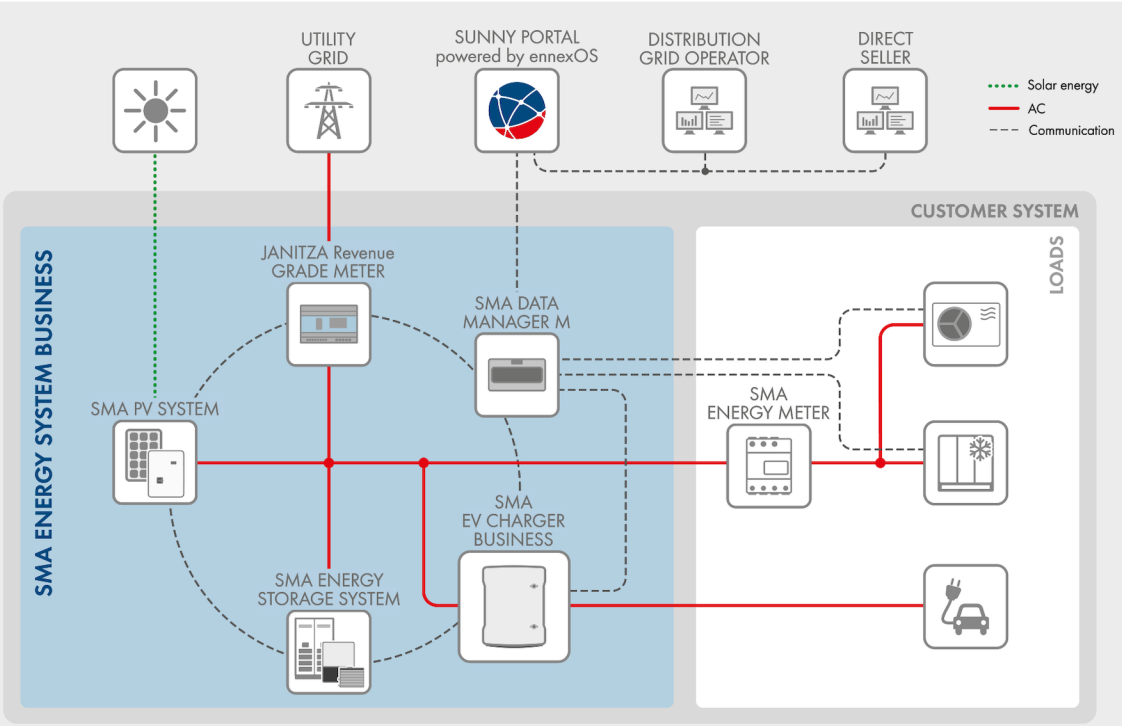
Ease of mind
- Everything from a single source
- Overload protection of the point of interconnection
- Integrated direct current failure monitoring

Sustainable
- Produced in Germany
- CO2-neutral mobility
- Dynamic load control 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 station	SMA EV Charger Business with charging cable
Inputs and outputs (AC)		
Charging power (electrical current)	2 x to 22 kW	
Nominal voltage	230 VAC / 400 VAC	
Nominal frequency	50 Hz	
Nominal current	max. 32 A	
Number and type of charging points	2x type-2 charging socket	
Operating mode for charging processes	Mode 3 (charging with alternating current) according to IEC 61851-1 Plug & Charge according to ISO 15118	
Communication		
Inter face	Ethernet RJ-45 (LAN)	
OCPP	Version 1.6	
PLC (ISO 15118)	●	
EEBUS	●	
Protective devices		
DC residual current detection	6 mA	
Residual-current device	4-pole 40 / 0.03 A type A	
Miniature circuit breaker	3-pole C 32 A	
Ambient conditions and operation		
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	
General data		
Dimensions (W/H/D)	430 mm / 490 mm / 176 mm	409 mm / 490 mm / 176 mm
Weight	13.5 kg	16 kg
Connection cross-section	up to 2 x 5 x 25 mm², with NYY-J max. 5 x 10 mm²	
Grid configurations	TN, TT	
Display	LED	
Features / accessories		
Integrated charging cable	–7.5 m	
Integrated energy meter	MID-compatible	
Dynamic load control	●	
Authorization	RFID	
Warranty	2 years	
Certificates and approvals	IEC 61851-1:2019	
System compatibility	SMA Data Manager M	
Stele	○	
Foundation	○	
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: 05/2022