



PRODUCT DATASHEET

AC CHARGING STATION

The AC charging station, available as a single and a double charger* is sure to impress with its many new developments and features:

- › OCPP 1.6j or OCPP 2.0.1 backend connection possible
- › Smart charging functionality
- › Customized design
- › Backend-compatible

GENERAL INFORMATION

Product designation	A1 (incl. OCPP 1.6j) / A2 (incl. OCPP 2.0.1)
Dimensions (W x H x D mm)	400 x 500 x 226 or 300 x 400 x 180 (depending on version)
Weight (kg)	approx. 14 (depending on the version)
Housing material	Fiberglass reinforced polycarbonate
Locking device	Safety screws
Cable entry	From below/above
Mounting type	Wall, pedestal, column mounting
Front design	Customizable

CHARGING STATION

Type	AC supply device for electric vehicles (ACSEV)
Number of charging points	1 (S) or 2 (D)
Max. charging power	11kW or 22kW (per charging point)
Charging connection (cable length or socket)	Fixed charging cable, 6m, Type 2 (EN 62196) or charging socket Type 2 (EN 62196), other cable lengths optionally available
Rated voltage (V AC)	230/400, 3-phase or 1-phase (depending on version)
Rated input current (A)	16 (11kW single charging station, 11kW double charging station with load limitation) 32 (22kW single charging station, 11kW double charging station, 22kW double charging station with load limitation), 63 (22kW double charging station), 63 (43kW single charging station)
Rated output current (A)	16 (11kW charging port), 32 (22kW charging port), 63 (43kW charging port), (depending on version)
Power supply frequency (Hz)	50
Power supply networks	TN, TN-C-S, TT
Communication (vehicle)	Mode 3 (EN/IEC 61851)
Authentication	RFID, OCPP communication (remote access), (depends on version)
Status display	6 LEDs, 3 per charging point, buzzer; A2 also possible with display
Energy meters	Calibration-compliant (type CR) or MID-compliant meters (type MR) per charging point

INTERFACES / COMMUNICATION

Network interface	LAN (RJ45), 10/100 Mbit/s
Backend connection	OCPP version 1.6 JSON (depending on version) or 2.0.1
Load management	OCPP Smart Charging, optional local load limitation at the dual charge point (depending on version)
Connectivity	GSM, 4G/LTE modem (depending on version); A2 also includes WIFI and Bluetooth

ELECTRICAL SAFETY

Residual current device	NOTE: in the upstream installation, an all-pole type A RCD with a rated residual current not exceeding 30 mA is required (optionally included in the scope of delivery)
DC residual current monitoring	Electronic (6 mA)
Back-up fuse	LS/MCB C, max. 63 A, min. 10kA
Overvoltage protection	Yes, SPD type 2 integrated
Overvoltage category	III
Rated impulse-withstand voltage	4 kV
Rated insulation voltage	440 V
Rated short-time withstand current	10 kA
Circuit breaker	Per charging point 3-phase, B-characteristic 16A (11kW) or 32A (22kW)

OPERATING CONDITIONS

Place of use	Indoor and outdoor
EMC class	Emission and immunity: Class B (residential, business, commercial)
Storage temperature range	-30°C to +70°C
Operating temperature range	-25°C to +40°C
Temperature monitoring	Integrated, charging current automatically reduced or charging station switched off
Permissible relative humidity	5% to 95% non-condensing
Altitude	Max. 2000 m above sea level
Protection class	II
Protection type	IP54
Impact resistance	IK09

STANDARDS

DIN-EN 61851-1:2019, CE	Standard for conductive charging systems for electric vehicles, CE
Measures and Verification Ordinance	Type examination MessEV Module B

Configuration



TYPE KEY

Product model with OCPP 1.6j	A1						
Product model with OCPP 2.0.1	A2						

VERSIONS

Power per charging point 11kW (16A)		11					
Power per charging point 22kW (32A)		22					
Power 43kW		43					
Double charging station (double)*			D				
Single charging station (single)			S				
Fixed smooth cable 6 m incl. charger plug				C6			
Socket*				SO			
Plugs / Sockets IEC 62196 Type 2					T2		
Meter compliant with calibration regulations (D standard)**						CR	
MID-compliant meter (EU standard)						MR	
Options (LTE router, RFID, cable length, housing, foiling, display)							XXX

* Not available in 43kW version. ** In 43kW version on request.

EXAMPLES OF ORDER DESIGNATIONS

DESIGNATION	DESCRIPTION
A1_22_D_C6_T2_CR	Double charging station 22kW, 6 m attached cable with type 2 plug, compliant with calibration regulations, versions: 2x 11kW/1x 22kW or 2x 22kW
A2_43_S_C6_T2_MR	Single charging station 43kW, 6m attached cable with type 2 plug, MID-compliant

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At elexon, we develop charging infrastructures and on-site power generation systems as holistic plug-and-play solutions. Our mission: to deliver reliable products and services in order to make sustainable, climate-neutral and at the same time economically high-performing corporate mobility a reality in the future.

Further information about our AC charging station:

www.elexon-charging.com/en/products-ac-charging-station

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