



# CHARGING POLE eMC2

## WITH CHARGING SOCKETS

### 44 kW

With its attractive, extremely weatherproof and powder coated metal housing and the pre-installed cabinet with a three-point attachment, the eMC2 charging pole is the ideal solution for public installations. The eMC2 has two Type 2 charging sockets with a charging capacity of up to 22 kW per charging point. Thanks to RFID controlled access via an internal GSM module and OCCP the eMC2 is the perfect solution for efficient and user platform controlled EV charging. The eMC2 features two integrated energy meters for accurate power consumption monitoring. The optional prefabricated foundation minimizes on-site technical requirements and installation time.



## General information

Model	eMC2
Part number	2P4422
Item number (EAN)	4011721173900
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	EMC2 charging pole, instruction manual

## Input/Supply

Power supply	for supply cable sizes up to 5 x 70 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	63 A
Rated frequency	50 Hz
Back-up fuse	63 A
Terminal block	up to 70 mm <sup>2</sup>

## Output/vehicle connection

Connection system	Lockable Type 2 charging socket, 32 A, in acc. with IEC62196-2; 2 pcs.
Output voltage	230 / 400 V
Max. charging current	32 A per socket
Maximum output	22 kW per socket
Shut down (Standby)	all poles
Load management	-
Unlocking module	automatically unlocks the charging socket in case of a power failure

## Protection/integrated components

MCB	32 A, 3-pole, C characteristic, 2 pcs.
RCCB	RCCB, Type B, 30 mA, 2 pcs.
DC fault current detection	-
Energy meter	Modbus (MID compliant), 2 pcs.
Installation contactor	4-pole
Cabinet with a three-point attachment	pre-installed for electrical meters up to 100 A
Lightning protection module	integrated

## Charge control/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1, Mode 3
Status display	LED (available or in use)
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485
Access control	RFID MIFARE, SMS via backend
Communication	internal GSM module, OCPP 1.5

## Standards/Directives

IEC 61851-1 Ed 2.0:2010

## Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a

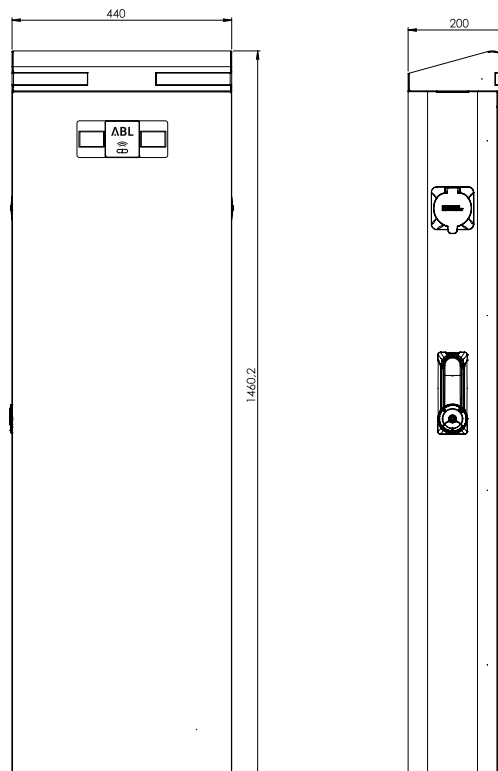
## Housing

Type	Mounting pole
Fixing type	Screw fixings to pre-fabricated foundation (foundation not included)
Material (housing)	Steel
Housing color	Powder coated DB703
Material (cover)	Steel
Cover color	Powder coated DB701
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (HxWxD)	1,460 x 440 x 200 mm
Weight	ca. 44 kg

## Accessories

Type 2 charging cable	LAK32A3, 32 A 240/415 V AC, length approx. 4 m
Type 2 charging cable	LAKC222, 20 A 240/415 V AC, length approx. 7 m
Type 2 to Type 1 adapter cable	LAKK2K1, 32 A 230 V AC, length approx. 4 m
Prefabricated foundation	EMC9999
Pedestal, long	EMC9998
Pedestal, short	EMC9997

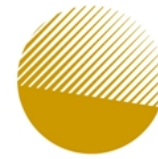
## Dimensioned drawing



# CHARGING POLE eMC2

## WITH CHARGING CABLES

### 44 kW



**Iris Hellas**  
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With its attractive, extremely weatherproof, powder coated metal housing, the eMC2 charging pole is the ideal solution for public applications. The eMC2 has two fixed spiral charging cables with a Type 2 coupler and a maximum charging capacity of up to 22 kW per charging point. Thanks to RFID controlled access via an internal GSM module and OCCP the eMC2 is the perfect solution for efficient and user platform controlled EV charging. The eMC2 features two integrated energy meters for accurate power consumption monitoring. The charging pole is designed as a master unit and can be used to control a slave charging pole. The master-slave system is suitable for group solutions that are billed via a back end system.



## General information

Model	eMC2
Part number	2P4423
Item number (EAN)	4011721173870
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	EMC2 charging pole, instruction manual

## Input/Supply

Power supply	for supply cable sizes up to 5 x 95 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	63 A
Rated frequency	50 Hz
Back-up fuse	63 A
Terminal block	up to 95 mm <sup>2</sup>

## Output/vehicle connection

Connection system	Spiral charging cable with Type 2 connector in acc. with IEC62196-2, approx. 4 m; 2 pcs.
Output voltage	230 / 400 V
Max. charging current	32 A per socket
Maximum output	22 kW per socket
Shut down (Standby)	all poles
Load management	-
Unlocking module	automatically unlocks the charging socket in case of a power failure

## Protection/integrated components

MCB	32 A, 3-pole, C characteristic, 2 pcs.
RCCB	FI-RCCB, Type A, 30 mA, 2 pcs.
DC fault current detection	electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	Modbus (MID compliant), 2 pcs.
Installation contactor	4-pole
Lightning protection module	integrated

## Charge control/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1, Mode 3
Status display	LED (available or in use)
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485
Access control	RFID MIFARE, SMS via backend
Communication	internal GSM module, OCPP 1.5

## Standards/Directives

IEC 61851-1 Ed 2.0:2010

## Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a

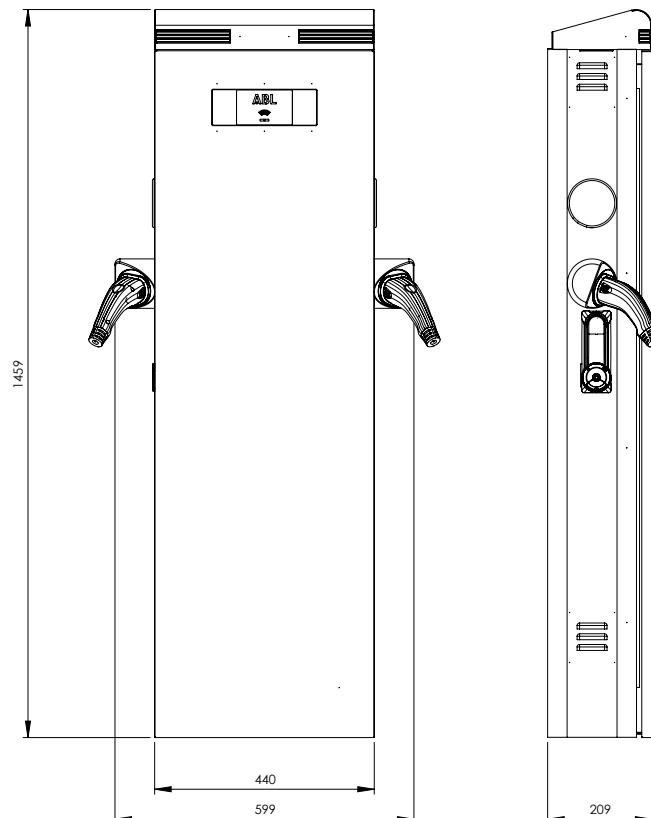
## Housing

Type	Mounting pole
Fixing type	Screw fixings to pre-fabricated foundation (foundation not included)
Material (housing)	Steel
Housing color	Powder coated DB703
Material (cover)	Steel
Cover color	Powder coated DB701
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (HxWxD)	1.459 x 440 x 209 mm (1.459 x 599 x 209 mm including overhangs)
Weight	ca. 44 kg

## Accessories

Prefabricated foundation	EMC9999
Pedestal, long	EMC9998
Pedestal, short	EMC9997

## Dimensioned drawing



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## General information

Model	eMC2
Part number	2P4424
Item number (EAN)	-
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	EMC2 charging pole, instruction manual

## Input/Supply

Power supply	for supply cable sizes up to 5 x 95 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	63 A
Rated frequency	50 Hz
Back-up fuse	63 A
Terminal block	up to 95 mm <sup>2</sup>

## Output/vehicle connection

Connection system	Spiral charging cable with Type 2 connector in acc. with IEC62196-2, approx. 4 m; 2 pcs.
Output voltage	230 / 400 V
Max. charging current	32 A per socket
Maximum output	22 kW per socket
Shut down (Standby)	all poles
Load management	-
Unlocking module	automatically unlocks the charging socket in case of a power failure

## Protection/integrated components

MCB	32 A, 3-pole, C characteristic, 2 pcs.
RCCB	FI-RCCB, Type A, 30 mA, 2 pcs.
DC fault current detection	electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	Modbus (MID compliant), 2 pcs.
Installation contactor	4-pole
Lightning protection module	integrated

## Charge control/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1, Mode 3
Status display	LED (available or in use)
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485
Access control	RFID MIFARE, SMS via backend
Communication	via Master

## Standards/Directives

IEC 61851-1 Ed 2.0:2010

## Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a



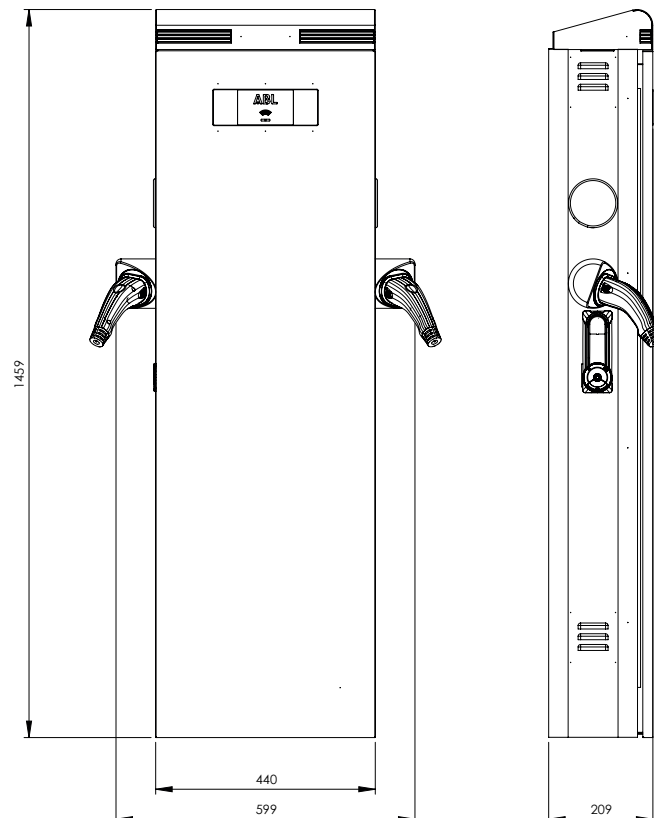
## Housing

Type	Mounting pole
Fixing type	Screw fixings to pre-fabricated foundation (foundation not included)
Material (housing)	Steel
Housing color	Powder coated DB703
Material (cover)	Steel
Cover color	Powder coated DB701
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (HxWxD)	1,460 x 440 x 200 mm
Weight	ca. 44 kg

## Accessories

Prefabricated foundation	EMC9999
Pedestal, long	EMC9998
Pedestal, short	EMC9997

## Dimensioned drawing





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With its attractive, extremely weatherproof, powder coated metal housing, the eMC2 charging pole is the ideal solution for public applications. The eMC2 has two Type 2 charging sockets with a charging capacity of up to 22 kW per charging point. For access control, the internal RFID module of the charging pole can be activated at any time via software. The eMC2 features two integrated energy meters for accurate power consumption monitoring. The charging pole is designed as a slave unit and is controlled via a master pole. The master-slave system is suitable for group solutions that are billed via a back end system.



## General information

Model	eMC2
Part number	2P4426
Item number (EAN)	-
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	EMC2 charging pole, instruction manual

## Input/Supply

Power supply	for supply cable sizes up to 5 x 95 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	63 A
Rated frequency	50 Hz
Back-up fuse	63 A
Terminal block	up to 95 mm <sup>2</sup>

## Output/vehicle connection

Connection system	Lockable Type 2 charging socket, 32 A, in acc. with IEC62196-2; 2 pcs.
Output voltage	230 / 400 V
Max. charging current	32 A per socket
Maximum output	22 kW per socket
Shut down (Standby)	all poles
Load management	-
Unlocking module	automatically unlocks the charging socket in case of a power failure

## Protection/integrated components

MCB	32 A, 3-pole, C characteristic, 2 pcs.
RCCB	FI-RCCB, Type A, 30 mA, 2 pcs.
DC fault current detection	electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	Modbus (MID compliant), 2 pcs.
Installation contactor	4-pole
Lightning protection module	integrated

## Charge control/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1, Mode 3
Status display	LED (available or in use)
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485
Access control	RFID MIFARE, SMS via backend
Communication	via Master

## Standards/Directives

IEC 61851-1 Ed 2.0:2010

## Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a

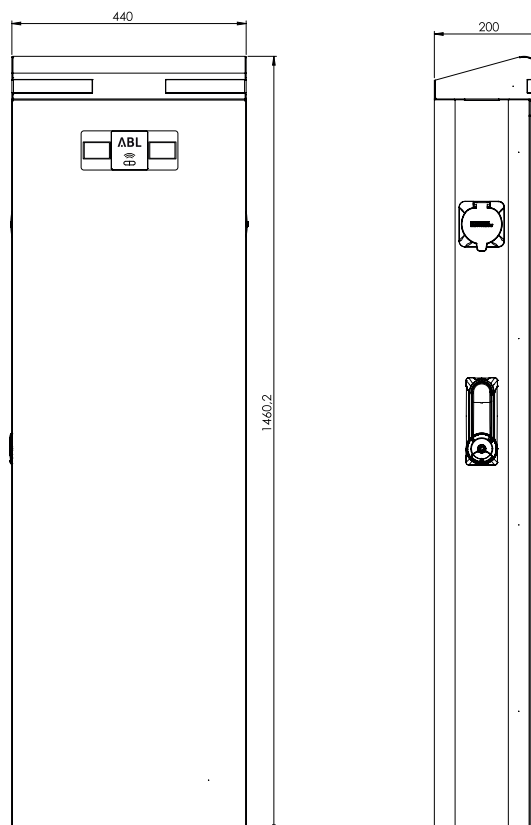
## Housing

Type	Mounting pole
Fixing type	Screw fixings to pre-fabricated foundation (foundation not included)
Material (housing)	Steel
Housing color	Powder coated DB703
Material (cover)	Steel
Cover color	Powder coated DB701
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (HxWxD)	1,460 x 440 x 200 mm
Weight	ca. 44 kg

## Accessories

Type 2 charging cable	LAK32A3, 32 A 240/415 V AC, length approx. 4 m
Type 2 charging cable	LAKC222, 20 A 240/415 V AC, length approx. 7 m
Type 2 to Type 1 adapter cable	LAKK2K1, 32 A 230 V AC, length approx. 4 m
Prefabricated foundation	EMC9999
Pedestal, long	EMC9998
Pedestal, short	EMC9997

## Dimensioned drawing



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With its attractive, extremely weatherproof and powder coated metal housing, the eMC2 charging pole is the ideal solution for semi-public installations. The eMC2 has two Type 2 charging sockets with a charging capacity of up to 22 kW per charging point. Of course, the eMC2 comes with our DC fault current detection installed as standard. Thanks to RFID controlled access via an internal GSM module and OCCP the eMC2 is the perfect solution for efficient and user platform controlled EV charging. The eMC2 features two integrated energy meters for accurate power consumption monitoring. The charging pole is designed as a master unit and can be used to control a slave charging pole. The master-slave system is suitable for group solutions that are billed via a back end system.



## General information

Model	eMC2
Part number	2P4445
Item number (EAN)	4011721176017
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	eMC2 charging pole, instruction manual

## Input/Supply

Power supply	for supply cable sizes up to 5 x 70 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	63 A
Rated frequency	50 Hz
Back-up fuse	63 A
Terminal block	up to 70 mm <sup>2</sup>

## Output/vehicle connection

Connection system	Lockable Type 2 charging socket, 32 A, in acc. with IEC62196-2; 2 pcs.
Output voltage	230 / 400 V
Max. charging current	32 A
Maximum output	22 kW per socket
Shut down (Standby)	all poles
Load management	-
Unlocking module	automatically unlocks the charging socket in case of a power failure

## Protection/integrated components

MCB	32 A, 3-pole, C characteristic, 2 pcs.
RCCB	FI-RCCB, Type A, 30 mA, 2 pcs.
DC fault current detection	electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	M-Bus (MID compliant), 2 pcs.
Installation contactor	4-pole
Lightning protection module	integrated

## Charge control/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1, Mode 3
Status display	LED (available or in use)
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485
Access control	RFID MIFARE, SMS via backend
Communication	GSM, OCPP 1.6

## Standards/Directives

IEC 61851-1 Ed 2.0:2010

## Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a

## Housing

Type	Mounting pole
Fixing type	Screw fixings to pre-fabricated foundation (foundation not included)
Material (housing)	Steel
Housing color	Powder coated DB703
Material (cover)	Steel
Cover color	Powder coated DB701
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (HxWxD)	1,460 x 440 x 200 mm
Weight	ca. 44 kg

## Accessories

Type 2 charging cable	LAK32A3, 32 A 240/415 V AC, length approx. 4 m
Type 2 charging cable	LAKC222, 20 A 240/415 V AC, length approx. 7 m
Type 2 to Type 1 adapter cable	LAKK2K1, 32 A 230 V AC, length approx. 4 m
Prefabricated foundation	EMC9999
Pedestal, long	EMC9998
Pedestal, short	EMC9997

## Dimensioned drawing

