

Mobile charging stations from MERZ for electric vehicles

- Charge your vehicle easily and flexibly with the practical alternatives to permanently installed charging stations
- Perfectly suited to robust mobile use
- Wherever a permanent installation is not possible



MERZ CHARGING STATION LSM1

Do you want more flexibility for your electric cars? – The LSM1 charging station is perfectly suited to robust mobile use, especially where a permanent installation is not possible, such as on construction sites.



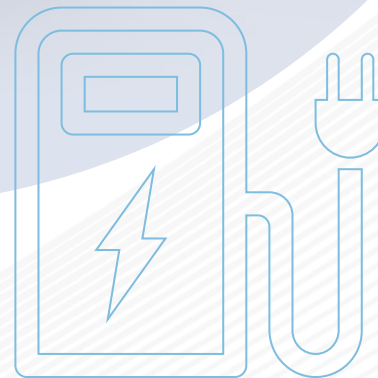
Figure: MZE7601

FEATURES

- Up to two separate charging circuits, each with its own RCD, DC fault current detection and digital current meter
- 1-phase and 3-phase charging
- Integrated load management, expandable into a dynamic load management (DLM) system via LAN or optional WiFi
- Integrated emergency unlocking
- Option: RFID-controlled charging authorisation; WiFi accessibility



WITH LATEST GENERATION OF CHARGE CONTROLLERS AND CHOICE OF CONFIGURATION VARIANTS



ADVANTAGES OF THE MERZ LSM1 CHARGING STATION

- Up to two separate charging circuits per charging station
- RCD for each charging circuit required by the relevant standards installed directly in the charging station
- Emergency unlocking of the charging cable in the event of a power failure
- Robust metal housing for mobile use
- Vandal-proof thanks to lockable connection panel while leaving the socket panel accessible
- Stable galvanised base frame
- Ergonomic carrying handles for greater mobility
- Weather-resistant DB 703 powder coating, optionally available in all standard RAL and DB colours

MERZ CHARGING STATION LSK1

With the LSK1 charging station, MERZ offers a sturdy, powerful and convenient solution for mobile use, as a single charging station or for integration into an existing load management system.



Figure: MZE8401

FEATURES

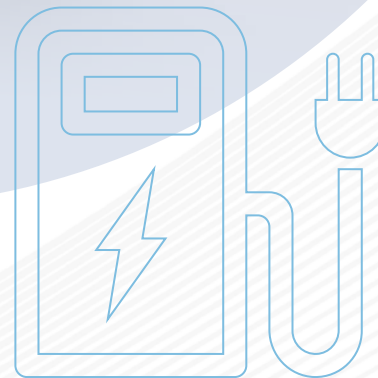
- One charging circuit with its own RCD, DC fault current detection and digital current meter
- 1-phase and 3-phase charging
- Can be integrated into an existing dynamic load management (DLM) system via LAN or optionally via WiFi
- Additional 16A 230V Safety sockets with earth contact
- Integrated emergency unlocking
- Option: RFID-controlled charging authorisation; WiFi interface

WITH LATEST GENERATION OF CHARGE CONTROLLERS AND CHOICE OF CONFIGURATION VARIANTS



ADVANTAGES OF THE LSK1 CHARGING STATION

- Stackable with other MERZ SVE power distributors
- RCD required by the relevant standards installed directly in the charging station
- Emergency unlocking of the charging cable in the event of a power failure
- Robust, shock-resistant thermoplastic housing for mobile use
- Compact and practical design
- Low weight and integrated carrying handles for greater mobility
- Sturdy base frames available as options



Does your MERZ LSK charging station need a matching base frame? – No problem, we’ve got it!



| Description | Order No. | Dimensions (W x H x D) |
|----------------------------|-----------|------------------------|
| Supporting frame M-SVE4 TG | MZ 80100 | 627 x 609 x 694 mm |

| Description | Order No. | Dimensions (W x H x D) |
|--------------------|-----------|------------------------|
| Base frame SVE3-4* | MZ 80103 | 791 x 560 x 420 mm |

*Note: Figure shows base frame with special paint finish

MOBILE CHARGING MADE EASY - THANKS TO MERZ CHARGING STATIONS

Technical information on the standard versions

| Features | Charging station LSM1 | Charging station LSK1 |
|--|--|--|
| Type | M-LSM1 | M-LSK1 |
| Connected load | Rubberised connecting cable 2 m long with CEE 63 A 400 V 5P PCE plug | Rubberised connecting cable 2 m long with CEE 32 A 400 V 5P PCE plug |
| Rated current | 50A | 32A |
| Charging capacity | 2x max. 19 kW (regulated via internal load management) | 19kW |
| Charging socket in accordance with IEC 62196-2 | Type2, AC – Mode 3, case B | Type 2, AC – Mode 3, case B |
| Fault current monitoring / socket protection | 2 each FI/LS 32/0.03 A Type A DC fault current monitoring | FI/LS 32/0.03 A Type A DC fault current monitoring |
| Charging process | Start/Stop button Optional: RFID | Start/Stop button Optional: RFID |
| Current meter | 2x digital meters with Modbus RTU | 1x digital meter with Modbus RTU |
| Housing protection rating | IP44 | IP54, Protection class II (protective insulation) |
| Protection rating of inner front control panel | IP21 | - |
| Additional PE sockets | - | 3 |
| Number of current circuits | 2 | 1 |
| Dimensions (W x H x D) | 520 x 900 x 540 mm | 560 x 340 x 350 mm |
| Weight | approx. 45 kg | approx. 25 kg |

We offer numerous models of our LSM1 and LSK1 charging stations suitable for your application!

| | LSM charging stations | | | | | | | | LSK charging stations | | | | | | |
|--|--|---|--|---|--|---|--|---|--------------------------------------|---------------------------------------|--|--------------------------------------|--|--|---|
| | MZE7601 M-LSM1 06329/02-0/V2/2M/Z/G | MZE7602 M-LSM1 06329/02-0/V2/2M/Z/GR | MZE7501 M-LSM1 06329/0B-0/V2/2M/Z/G | MZE7502 M-LSM1 06329/0B-0/V2/2M/Z/GR | MZE7401 M-LSM1 03219/01-3/V1/2M/Z/G | MZE7402 M-LSM1 03219/01-3/V1/2M/Z/GR | MZE7301 M-LSM1 03219/0A-3/V1/2M/Z/G | MZE7302 M-LSM1 03219/0A-3/V1/2M/Z/GR | MZE8401 M-LSK1 03219/01-3/V1/2M/Z | MZE8402 M-LSK103219/01-3/V1/2M/Z/G | MZE8403 M-LSK1 03219/01-3/V1/2M/Z/R | MZE8301 M-LSK1 03219/0A-3/V1/2M/Z | MZE8302 M-LSK1 03219/0A-3/V1/2M/Z/G | MZE8303 M-LSK1 03219/0A-3/V1/2M/Z/R | MZE8304 M-LSK1 03219/0A-3/V1/2M/Z/GR |
| 2x charging sockets, separate charging circuits each with RCD and DC fault current detection | X | X | | | | | | | | | | | | | |
| 2x charging cables (spiralised, 4 m long), separate charging circuits each with RCD and DC fault current detection | | | X | X | | | | | | | | | | | |
| 1x charging socket, charging circuit with RCD and DC fault current detection | | | | | X | X | | | X | X | X | | | | |
| 1x charging cable (spiralised, 4 m long), charging circuit with RCD and DC fault current detection | | | | | | | X | X | | | | X | X | X | X |
| 3x integrated PE sockets or CEE sockets 16 A, 3 p, 230 V | | | | | X | X | X | X | X | X | X | X | X | X | X |
| Integrated master/slave load management (6) | X | X | X | X | | | | | | | | | | | |
| Can be integrated into an existing dynamic load management (DLM) system via GSM (1)+(2)+(3) | X | X | X | X | X | X | X | X | | | X | | X | | X |
| Can be integrated into an existing dynamic load management (DLM) system via LAN/Ethernet (1)+(2) | | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| Can be integrated into an existing dynamic load management (DLM) system via WiFi (1)+(2)+(4) | | X | | X | X | X | X | X | X | X | X | X | X | X | X |
| Charging start/stop via button | X | | X | | X | | X | | X | | | X | X | | |
| Charging start/stop controlled via RFID chip (5) | | X | | X | | X | | X | | X | X | | | X | X |
| Weather-resistant, powder coated sheet steel housing | X | X | X | X | X | X | X | X | | | | | | | |
| Compact, impact-resistant plastic housing | | | | | | | | | X | X | X | X | X | X | X |

*(1) = DLM requires a charging controller as DLM master, all other charging controllers are configured as DLM slaves. Customised configuration possible.

(2) = Customised configuration of the charging controller necessary for connection to a (WiFi) router.

(3) = Customer requires a SIM card from the back-end operator or mobile phone network provider.

(4) = Optional WiFi stick required.

(5) = RFID chip set (5/10/20/...) Each chip must be taught in at each RFID reader.

(6) = Internal load management Charging station has two internal master/slave charging controllers.

*Note: Customised configuration is performed at the factory by agreement

Questions? We will be happy to advise you!

Your MERZ GMBH sales team is there to help you:

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