

SWARCO

EVOLT AC | LIGHT & CHARGE CHARGING STATIONS

COMPACT, ROBUST & CALIBRATION-CONFORM

AC-Charging stations for public areas



The AC charging stations of the eVolt Light & Charge series from SWARCO combine a sleek and innovative design with outstanding technology. This makes them ideal for charging in public and semi-public areas, an optimally coordinated and functional charging system for the highest standards. The charging system can be customized to each customer's individual needs and wants. The device can be mounted in single or double pedestal in parking lots. The charging stations are particularly convincing in combination with the SWARCO backend solutions and services as an uncomplicated and simple holistic solution for e-mobility.



MODULAR

The base unit can be ordered with different housing depending on the location. The device does not have unnecessary displays; the status is displayed via LED and visible via smartphone app.

INTELLIGENT TECHNOLOGY

Modern charging stations communicate in an intelligent manner with the vehicle and the IT backend system. The eVolt Light & Charge stations are cutting-edge. They are ideal for charging in public and semi-public parking spaces, in parking lots or garages. Two stations can share one modem.

CALIBRATION-CONFORM

The charging station is verified by the Physikalisch-Technische Bundesanstalt (PTB) and records the charging transactions and signs them digitally in the device. Therefore, the user can verify all data relevant to German calibration law with the billing information.

USER-FRIENDLY

- Easy to install and combine with other modules
- Wall mounting (mounting without a foundation possible)
- One-handed-controls
- Connection to backend: fast overview of all charging processes, invoices, customer rates with the SWARCO backend & app

PERFORMANCE FEATURES

- Body: aluminum frame: light, robust, elegant, anodized; polyurethane cover with clear meter window for eHz counter
- Vandalism protection: interlocked charging sockets, no displays
- Lighting: charging socket and RFID reader
- German calibration law certified
- Comprehensive security technology
- Load management with OCPP
- ISO/IEC 15118 vehicle communication

SWARCO EVOLT AC LIGHT & CHARGE SERIES | TECHNICAL DATA SHEET

GENERAL INFORMATION

Charging mode	Mode 3 charging points
Number of charging points	1-2
Design	anodized aluminum, white aluminum, polyurethane, graphite
Housing dimension (WxHxD)	max. 300 x 1.475 x 500 mm (double pedestal with 2 basic units) max. 300 x 1.475 x 300 mm (single pedestal)
Lock	machine cabinet key or optional cylinder lock
Weight	approx. 60 kg (double pedestal) approx. 30 kg (single pedestal)
Charging point	type 2 sockets with shutter and one-handed-operation, automatic locks of the charging plug at the start and unlocking at the end of the charging process
Options	<ul style="list-style-type: none"> • variety of different housing (wall / floor mounting) • floor shaft for embedding in concrete, DEHNGuard® overvoltage protection • attached charging cable (4 m) • individual branding (logo, advertising), RFID cards, on request with own logo • tap payment module with or without pin pad in combination with SWARCO MyCharge backend services • backend connection via LAN

COMMUNICATION & STATUS DISPLAY

Modem	GSM modem, 2.5G edge and 4G LTE
Communication protocol	OCPP 1.6
Authentication option	RFID card reader (13.56 MHz), cell phone, QR-code, reservation function is supported
Status display	LED ring, via app

ELECTRICAL DATA

Voltage, frequency	230V AC / 400V AC, 50/60 Hz
Maximum current	32A 3~ (depending on the charging power)
Main system	TN / TT
Connection terminals	3 or 5 pole connection (max. 16 mm ²) incl. PE terminal
Integrated fuse	RCD circuit breaker type A, 40/0, 03A DC fault current detection via measuring current transformer LS switch C32A for short circuit / overload protection
Output power (per charging station)	3.7 kW / 11 kW / 22 kW (configurable)
Counter (per charging point)	2 x eHZ EDL 21/40 compliant smart meter (incl. Viewing window)

WORKING CONDITIONS

IP degree of protection / Impact resistance	IP 54 / IK 10
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NORMS / GUIDELINES

Operating temperature	-25° to 50° C (average temperature max. 35° C for 24h)
Norms	DIN EN 61851-22, DIN EN 62196-2, IEC 60364-7-722:2015, ISO/IEC 15118

SWARCO's leading idea is to improve quality of life by making the travel experience safer, quicker, more convenient, and environmentally sound.

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The Better Way. Every Day. 