MidTeQ PowerCharge

Smart AC Wallbox — 3-Phase, 22 kW

PowerCharge is the charging point of the MidTeQ energy ecosystem. It charges with 22 kW on three phases and schedules itself around tariffs, solar production and the state of charge of the house battery. Dynamic load balancing keeps up to 252 charge points inside the limits of the existing house connection.



22 kW
3-Phase Charging Power

32 A
Rated Charging Current per Phase

252
Charge Points per LAN with Dynamic Load Balancing

IP55 / IK10
Outdoor and Impact Protection Rating

Charging & Energy

- **Powerful charging capability** — 3-phase 22 kW at 32 A with attached Type-2 charging cable.
- **Smart grid savings:** charging is scheduled into the hours when tariffs are lowest.
- **Solar and storage integration** — charges from PV surplus and the house battery.
- **Dynamic load balancing** across up to 252 charge points on one LAN, no house-connection upgrade.
- **Phase rotation** available for balanced load distribution across multi-unit sites.
- **Independent backplate** for power cable connection — clean installation, fast service access.

Connectivity, Access & Safety

- **Smart network connectivity** — automatic switching between Ethernet, WLAN and 4G.
- **RFID and app identification** — user authentication by card (ISO/IEC 14443) or mobile app.
- **Full OCPP 1.6J and 2.0.1 support** — remote management, diagnostics and smart charging.
- **Plug & Charge to ISO 15118** and integrated POS payment terminal available.
- **Internal RCD Type A & 6 mA DC** — no external DC fault protection required.
- **Full electrical protection** against over-current, short circuit, over- and under-voltage, ground fault, lightning surge and over-temperature.
- **2.8" LCD and status light ring** — charging state readable at a glance, one physical button.

Residential | Commercial | Parking | Fleet | Workplace | Public network

Technical specifications

Model	MidTeQ PowerCharge — 3-phase, 22 kW
ELECTRICAL	
Input Rating	400 V, 3-phase + N + PE, ±20 %
Output Rating	22 kW, 32 A per phase
Frequency	50 / 60 Hz
Internal RCD	Type A & 6 mA DC
Electrical Protection	Over-current, short circuit, over-voltage, under-voltage, ground fault, lightning surge, over-temperature
Phase Rotation	Optional
CHARGING & ENERGY MANAGEMENT	
Charging Interface	Attached Type-2 charging cable
Dynamic Load Balancing	Up to 252 charge points per LAN
Energy Integration	Solar and battery storage system
Charging Schedule	Tariff-based, PV surplus and battery state of charge
COMMUNICATION & ACCESS	
Network Interface	Ethernet, WLAN, 4G — automatic switching
OCPP	Full OCPP 1.6J & OCPP 2.0.1 support
Plug & Charge	ISO 15118, optional
User Authentication	RFID reader (ISO/IEC 14443), mobile app
Payment	POS payment terminal, integrated (optional)
OPERATION & INTERFACE	
Display	2.8" LCD
Button	1 × physical button
Status Indications	Standby (white), charging (flashing white), fault (red), warning (flashing red)
MECHANICAL & ENVIRONMENT	
Ingress Protection	IP55, IK10
Dimensions (W × D × H)	288 × 141 × 380 mm
Mounting	Wall or post — post height 1325 mm, supplied separately
CERTIFICATION	
Compliance	CE, EN IEC 61851-1, EN IEC 61851-21-2, IEC 61008-1, IEC 62955

Specifications subject to change without notice. Plug & Charge, phase rotation and POS payment are optional configurations; availability depends on market and vehicle support. Bidirectional charging is available in the MidTeQ PowerCharge V2G version.