AC EV CHARGER

Power the future of mobility with the Microcare Single- and Three-Phase AC EV Charger – a smart, reliable solution for EV charging in residential, commercial, and light industrial environments. Designed for flexibility and ease of installation, this charger supports both single-phase and three-phase supplies, intelligently managing power draw based on the available utility supply and vehicle demand.

Each unit features a durable enclosure for all-weather protection, along with an LED status indicator and built-in Wi-Fi connectivity for monitoring and control. The robust design makes it suitable for both indoor and outdoor mounting, offering long-term reliability in harsh South African conditions.

On single-phase installations, the charger delivers up to 32A, while on three-phase supplies it can provide up to 32A per phase, enabling faster and more efficient charging where capacity allows. It utilizes the European standard Mennekes Type 2 interface, ensuring wide compatibility with most electric vehicles on the market. It is engineered for intelligent load management at the point of installation, allowing installers to set appropriate current limits to match the site's electrical capacity and protect existing infrastructure.

As electric vehicle adoption accelerates globally, many homes, complexes, and small businesses face limitations in grid capacity and cannot easily support high-power charging without costly upgrades. The Microcare Single- and Three-Phase AC EV Charger addresses this challenge by offering efficient, controlled charging that works within existing electrical constraints. Whether installed at a home, guest house, office, or parking bay, it helps bridge the gap between limited grid access and growing EV energy needs – empowering the transition to electric mobility without massive capital expenditure.

KEY FEATURES

- **Max Charge Rate** - Up to 32A on single-phase and 32A per phase on three-phase supply, delivering fast AC charging for most home and commercial EV applications.
- **Robust Enclosure** – Durable construction suitable for both indoor and outdoor installation.
- **LED Charging Status Indicator** – Clear visual feedback for power, charging, and fault conditions.
- **App Connectivity** – Monitor charging, start/stop sessions, and adjust settings via mobile app.
- **Residual Current & Over-Current Protection** – Built-in electrical safety for users and vehicles.
- **5-Year Warranty** – Long-term confidence and local support on every charge.

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	MODEL	SINGLE-PHASE	THREE-PHASE
CAPACITY	Max Charge (kW)	7,3kW	22kW
CHARGER	Voltage (V_{AC})	230V_{AC}	380V_{AC}
	Charge Current (A)	6 - 32 A	6 - 80 A
	Frequency (Hz)	50Hz	
	Hardware protection	Circuit Breaker & RCD	
	Material	SMC	
ENCLOSURE	Operating Temperature	-50˚C to 200˚C	
	Glow Wire Capability	960˚ / UL94 V0	
	Expected UV Life	25 years +	
	Dimensions (W×D×H)	20 x 15 x 15 cm	
	Weight	2kg	
EV CHARGING CABLE	Cable Type	Type 2	
	Cable Length	5m	
	Current Rating	32A	
	Voltage Rating	250V_{AC}	
	IP Rating	IP54	
	Operating Temperature	-30˚C to 50˚C	
	Standards Met	62196-2 IEC 2010 SHEET 2-IIb, UL94 V-O	