

One-Stop Intelligent Charging Network

MaxiCharger DC Series

Ultimate Experience

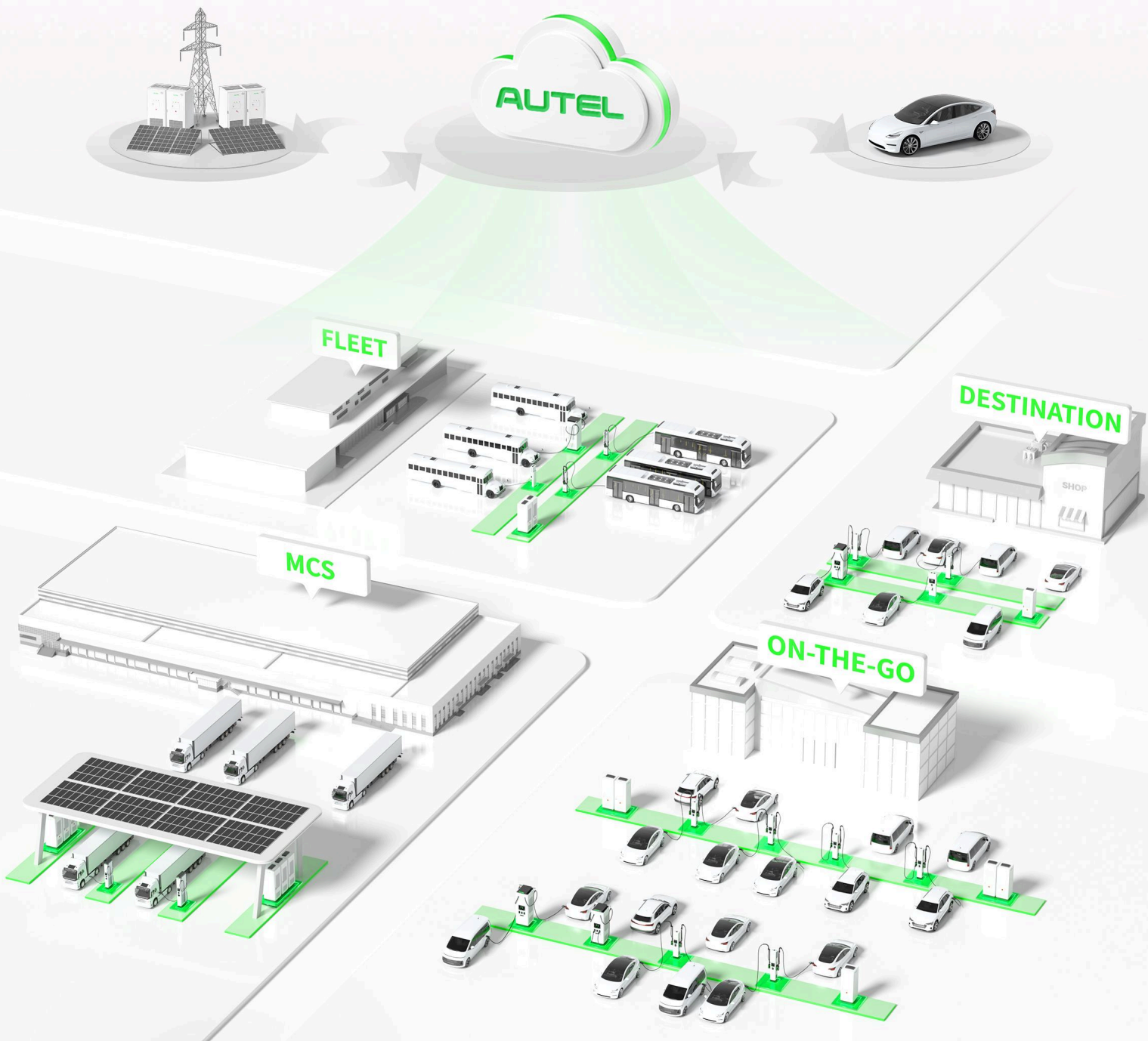
Fast, smooth, and user-friendly, with the one-stop intelligent charging network

Superior Performance

Reliable, durable, and always online, with the remote O&M platform

Maximum Yield

Efficient, scalable, and highly utilized, with the AI charging technology





CSMS



O&M Cloud



EMS



Edge Cloud



The new-generation MaxiCharger DC series offers the one-stop intelligent charging network with cutting-edge innovations powered by AI. It provides a reliable performance with full-modular design, Eco-Cooling technology and site-level network hot backup. Intelligent vehicle-charger-cloud compatibility and charging curve prediction technology empower customers to maximize yield. Paired with PV+ESS integration and real-time energy dispatch algorithms, it optimizes total cost of ownership (TCO) while increasing revenue.

Ultimate Experience



Fastest Charging

Up to 1 km of range per second



Full Vehicle Coverage

Charging success rate exceeds 95%



Seamless Payment

Convenient payment without any downloads or registration

Superior Performance



Reliable Charging

Supports uptime 98%+



High Online Rate

Ensures over 99.9% online rate



Intelligent O&M

Enables remote maintenance with all-online O&M

Maximum Yield



Intensive Utilization

Improves charging efficiency by 10%



Optimal Power Usage

E2E efficiency up to 97% ⁽¹⁾



Easy PV & BESS Integration

Supports future expansions, integrating with PV & BESS

(1) DH480 E2E efficiency up to 96%

MaxiCharger DC50

All-in-one Charger

V2G

Retrofit
ready

0.13m²

Smaller
footprint

97%

Peak
efficiency



MaxiCharger DC50

All-in-one Charger



DC50

DC Output

Output Power	50kW
Output Voltage	150 - 1000V
Output Current	CCS1 or J3400/NACS: 150A
Peak Efficiency	97%
Number of Outputs (Max.)	1
Charging Mode	1 x CCS1 or 1 x J3400/NACS

AC Input

Input Voltage	Standard: 3-phase 480V AC +10%/-15% Optional: 3-phase 208V AC +10%/-10% ⁽¹⁾
Input Frequency	60Hz ±5%
Input Connection	3 Phase+PE
Power Factor	>0.99
Controllable PF Range	±0.9 ⁽²⁾
Harmonic Distortion (THDi)	<3% (Half Load)

General Specifications

Dimensions (W×D×H)	Including Pedestal: 22.05 inch x 11.18 inch x 66.77 inch (560mm x 284mm x 1665mm) Excluding Pedestal: 22.05 inch x 9.06 inch x 39.37 inch (560mm x 230mm x 1000mm)
Weight	308.65 lbs (140 kg) ⁽³⁾
Mounting	Pedestal or Wall-mounted
Connectivity	Double SIM 4G, 5G, Wi-Fi, Ethernet
Screen Type	15.6 inch LCD touch screen with 2 buttons
Energy Metering	CTEP/NTEP
Short Circuit Current Rating	25kA
Cable Length	Standard: 16.40ft ; Optional: 9.84ft or 24.61ft (Standard: 5m; Optional: 3m or 7.5m)
Standby Power	<50W ⁽⁴⁾
Enclosure Rating	NEMA 3R (IP54)
Impact Resistance	IK10
Communication to the EV	ISO 15118-2 with PnC (ISO 15118-20 ready), DIN 70121
Software Update	OTA updates via web portal, FTP, HTTPS
Accessibility	Meets ADA requirements for height, reach, and user interface
Warranty	24 months, warranty extension possible

User Interface

Status Indication	Yes
Languages	English, French, etc. (GUI in 29 languages)
Credit Card Readers	Nayax VPOS, Payter Apollo Polar, PAX IM30, Castles S1U2
RFID Protocols	ISO 14443 A/B, ISO/IEC 15693, MIFARE
Authorization Methods	AutoCharge, Plug & Charge, APP, RFID card, QR code, Credit Card (Optional)
Communication Protocols	OCPP 1.6J (OCPP 2.0.1 Optional)
Cable Management System	Optional

Environmental Specifications

Humidity	<95% RH, non-condensing
Operating Altitude	≤2000m (6561.68 ft)
Operating Temperature Range	-31°F to 131°F (-35°C to 55°C)
Storage Temperature Range	-40°F to 158°F (-40°C to 70°C)
Noise	≤50dBA ⁽⁴⁾ (Silent Mode)
EMC Compliance	EMC Class A
Compliance and Safety	UL 2202 3rd, UL 2231, CSA C22.2, Energy Star, OCA 1.6J
Certification	UL/cUL, FCC

(1) Coming soon

(2) Depending on the configuration

(3) Measured under screen-off condition

(4) Standard environmental conditions at 68°F [20°C], 3.3 ft [1 m] distance



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