



ULTRA-FAST DC CHARGER

ASDC-ODA1

60kW – 240kW / CE & TÜV certified

Free-standing dual-outlet DC fast charger for commercial charging sites. Modular 60kW power blocks scale to 240kW, and a 150–1000Vdc window covers buses, light trucks and passenger EVs from a single cabinet.

240 kW

MAX OUTPUT POWER

1000 Vdc

OUTPUT VOLTAGE CEILING

95 %+

PEAK EFFICIENCY

IP54 / IK10

OUTDOOR RATED



MULTI-STANDARD

CCS2 as standard, with CCS1, CHAdeMO or NACS available on request

DRIVER EXPERIENCE

7" colour touchscreen with RFID, app or credit-card identification

HARSH SITES

–30°C to +50°C air-cooled operation, IP54 / IK10 enclosure

LOW LOSSES

Efficiency above 95%, power factor ≥ 0.98 and THDi $\leq 5\%$

OPEN PROTOCOLS

OCPP 1.6 JSON — networked with any compliant back office, or standalone

PROTECTED

Over/under voltage, over current, short circuit, over temperature, lightning, ground fault and surge

APPLICATIONS

EV bus stations & depots

Highway service stations

Parking garages & malls

Fleet operators

Charging network operators

Dealer workshops

POWER

Input connection	3-phase: 3P+N+PE
Input voltage	400Vac $\pm$ 10%
Frequency	50Hz or 60Hz
THDi	$\leq$ 5%
Power factor	$\geq$ 0.98
Output voltage	150Vdc – 1000Vdc
Max. output current	200A (250A optional)
Rated power	60 / 120 / 180 / 240kW

USER INTERFACE & CONTROL

Display	7" colour touch screen (12" option)
Authentication	RFID ISO/IEC 14443 (app / card option)
LED indicator	Green / blue / red
Connector	CCS2 (CCS1 / CHAdeMO / NACS optional)
Outlets	1 or 2
Energy metering	DC meter, 1% accuracy

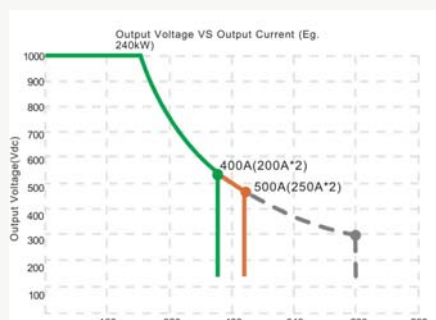
COMMUNICATION

Backend link	Ethernet (4G optional)
Charging protocol	ISO 15118, DIN 70121
Backend protocol	OCPP 1.6J (OCPP 2.x coming soon)

PROTECTION

Residual current	RCD fitted
Internal fuse	Yes
Electrical	Over / under voltage, over current, short circuit, over temperature, lightning, ground fault, surge

OUTPUT VOLTAGE VS. CURRENT (240KW)



ENVIRONMENTAL

Operating temp.	-30°C to +50°C
Storage temp.	-40°C to +75°C
Humidity	Max. 93% RH, non-condensing
Altitude	$\leq$ 2000m
Ingress / impact	IP54, IK10
Cooling	Air cooling

MECHANICAL

Product dimension	750 × 750 × 1900mm (W×D×H)
Package dimension	1000 × 920 × 2050mm (W×D×H)
Cable length	5m (customisable)
Weight	411kg net / 428kg gross
Mounting	Free standing

STANDARDS & CERTIFICATION

Compliance	IEC 62196-1, IEC 62196-3, IEC 61851-1, IEC 61851-23, IEC 61851-24
Certification	TÜV, CE, CB, OCPP



Type-tested for export markets. Test reports and certificates ship with every unit.

CABINET OUTLINE, REFERENCE (MM)

