

DC CHARGER

30kW



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Compact DC Charging, Built for Destinations



High-Efficiency Deployment Design

Minimal cost, maximum charging density

- Dynamic load management, reducing deployment cost
- Compact design with back-to-back installation capability, enabling deployment without site expansion
- Multiple network connections Wi-Fi, Ethernet (LAN) & 4G
- Peak efficiency $\geq 95\%$, low standby power consumption 30W

Universal Compatibility

Futureproofing for long-term convenience and investment protection

- 150V-1000V DC output voltage, covering EV models for today and tomorrow
- Support MAC ID auto charge
- ISO 15118 Plug & Charge ready and OCPP 2.0.1

Cloud Based Intelligent Control

Proactive remote diagnosis & OTA upgrades minimizing downtime

- OCPP1.6J fully compliant
- Dynamic load management: Improves the charging experience and optimizes energy costs

30kW DC CHARGER

Fast Charging, Compact Design, Built for Destinations



OCPP 1.6J fully compliant



95% charging efficiency



Dynamic load management



Wide output range DC 300-1000V



APP, RFID card, QR code
payment terminal (optional)



CCS2 compatible



OTA updates & diagnostics



Weather resistant

TECHNICAL SPECIFICATIONS

Model	
Model number	F1-EU30-C
Rated power	30kW
Input Parameters	
AC rated voltage	AC400V±10%
AC rated current	46A
Maximum AC input current	51A
Rated frequency	50 / 60Hz
Grid types	TN-S / TN-C-S / TT
Grid connection	3P+N+PE
Output Parameters	
DC output voltage range	DC150V~1000V
Constant power range	DC300~1000V
DC output current	100A
Electrical Parameters	
Peak efficiency	≥95%
Power factor (full load)	≥0.99
THDi	≤5%
User Interface & Control	
User authentication	APP, RFID, QR code , MAC autocharge
HMI	7 inch touch screen
Connectivity	Ethernet (LAN) / 4G (Sim Card Slot) / Wi-Fi
Communication protocol	OCPP 1.6J
Vehicle & charger communication	ISO 15118 / DIN 70121
Mechanical Parameters	
Cable length	4.5m
Dimension (WxDxH)	Charger: 600mm×260mm×750mm (product) 755mm×550mm×1020mm (package) Pillar: 240mm×240mm×1610mm (product) 350mm×455mm×1720mm (package)
Weight	Charger: 71kg (net); 115kg (gross) Pillar: 16kg (net); 35kg (gross)
IP rating	IP54, IK10 (screen IK08)
Environmental Data	
Storage temperature	-40~70°C
Operating temperature	-25~50°C (50~65°C degrading)
Operating humidity	5%~95% RH (no condensation)
Altitude	≤2000m (2000~4000m degrading)
Cooling method	Forced air cooling
Optional	Payment terminal, MID meter, pillar
Certificate	CE, UKCA, RCM, RoHS, REACH

GRESGYING

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