GRESGYING

ULTRA-FAST CHARGING STATION

480kW



480kW ULTRA-FAST CHARGING STATION

4 in 1 Design, Dual 32 Inch Advertisement Screen
Ultra Quiet, Efficient, and Smart



Full-Scenario Supercharge

Redefine the operation efficiency, minimize energy replenishment time

- Up to 480 kW of ultra-fast charging
- HPC connector delivers up to 800 km of range in 10 minutes with a rated 600A output current, boosted to 800A for 2 mins
- Boosted connector delivers up 660km of range in 10 minutes with a 500A boosted output, 400A rated current

Maximized ROI Through Smart Design

Accelerating ROI & maximizing operational profitability

- 1 construction, 1 installation, 4 parking spaces
- Double-sided 32-inch advertising screens – boosts revenue streams
- 40kW power granularity, maximizing charging revenue

Ultra Quiet Operation 65dB

Built for noise-sensitive areas, keeping those neighbours happy

- Independent air duct module design ensures low-noise charging

Universal Compatibility

Futureproofing for long-term convenience and investment protection

- 150V-1000V DC output voltage, covering EV models for today and tomorrow
- ISO 15118 Plug & Charge ready and OCPP 2.0.1
- IP65 power modules, higher protection

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

480kW ULTRA-FAST CHARGING STATION

Ultra Fast Charging Solution Built for Superior Performance



- OCPP 1.6J fully compliant
- Real-time SOC display, integrated cable management system for easy handling
- Dynamic load management
- Ultra-fast multi-vehicle charging HPC@600A (boosted to 800A for 2mins), CCS2: 400A (boosted to 500A for 10mins)
- 4 vehicles charging simultaneously
- 40kW power granularity
- Dual 32-inch HD touch advertisement screens

TECHNICAL SPECIFICATIONS

Model	
Model number	LCND-480E
Rated power	480kW
Input Parameters	
AC rated voltage	AC400V±15%
AC rated current	736A (368A x 2)
Maximum AC input current	866A (433A x 2)
Rated frequency	50 / 60Hz
Grid types	TN-S / TN-C-S / TT
Grid connection	3P+N+PE
DC Output Parameters	
Output options	2 x HPC + 2 x CCS2
DC output voltage range	DC150~1000V
Constant power range	DC300~1000V
DC output current	HPC: 600A (800A@2mins); CCS2: 400A (500A@10mins)
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	32-inch touch screen x 2
Connectivity	Ethernet (LAN) / 4G (Sim Card Slot) / Wi-Fi
Communication protocol	OCPP 1.6J
Vehicle & charger communication	ISO 15118 / DIN 70121
Mechanical Parameters	
Dimension (WxDxH)	1100mm×1150mm×2300mm (product) 1700mm×1700mm×2500mm (package)
Weight	1200kg (net); 1400kg (gross)
Protection	IP54, IK10 (screen IK08)
Environmental Data	
Storage temperature	-40~70°C
Operating temperature	-25~50°C (50~65°C derating)
Operating humidity	5%~95% RH (no condensation)
Altitude	≤2000m (2000~4000m derating)
Cooling method	Forced air cooling
Optional	Payment terminal, PTB meter
Certificate	CE, UKCA, RED, ROHS, REACH (available in Nov.2025)

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