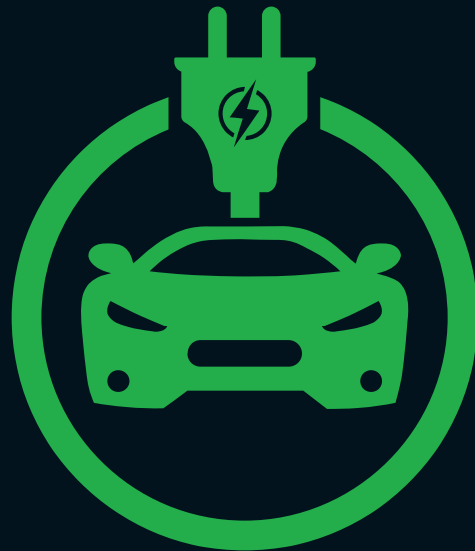


GRESQING

GRESQING

**Make** *life better*  
*energy smarter*



S  
T  
A  
T  
E  
M  
E  
N  
T  
S  
O  
O  
O



1

ABOUT US ..... 01  
HONORS ..... 03  
COMPANY CULTURE ..... 05  
COMPANY HISTORY ..... 06  
RESEARCH AND DEVELOPMENT ..... 07  
OCPPI PLATFORM ..... 08  
CASES ..... 09

2

TURBO WALLBOX ..... 13  
30kW DC WALLBOX ..... 15  
60kW DC CHARGING STATION ..... 17  
120kW & 180kW DC CHARGING STATION ..... 19  
120kW & 180kW DC CHARGING STATION (CHAdEMO) ..... 21  
480kW CHARGING HUB ..... 23  
FULL LIFE CYCLE STATION SCHEME ..... 25  
DLM CONTROLLER ..... 26

# ABOUT US

Gresgying Digital Technology Co., Ltd. (stock code 600212) is a professional EV charging solution provider. We are dedicated to the R&D, production, sales, and services of EV charging station products, energy storage systems, microgrid systems, and energy management systems.

Gresgying R&D team is composed of top experts in the industry, including five core departments of power electronics, embedded hardware, application software, electrical systems, and structural design. With more than 62,000m<sup>2</sup> production base, we produce EV charger products covering AC wallbox and DC charging stations from 7kW, 30kW, 60kW, 120 & 180kW, 240 & 320kW single stations to 480 & 960kW satellite charging system, DLM controllers and ESS 64 & 215kWh.

Gresgying has also made impressive progress on the development of V2G, integrated solar energy, energy management system (EMS) and device

## 62,000m<sup>2</sup>

Production Base

## 700+

Employees



**Make**  
Energy Smarter  
Life Better

# HONORS

Gresgying's products are certified with CE, UKCA, and ChAdeMO and we have gained over 200 patents. We've also partnered with TUV and received awards like the 2023 Best Supercharging Technology Innovation Award in China's charging and swapping industry.

# 200+

Patents



# COMPANY CULTURE



## Mission

Make energy smarter  
Make life better



## Vision

Become the world's  
leading smart  
energy service provider



## Value

Customer first  
Openness and sharing  
Honesty and pragmatism  
Win-Win cooperation

# COMPANY HISTORY



## 2017

Launched the 1st generation of DC EV charger.

## 2018-2019

Launched the 1st high-power DC satellite charging system based on Starlink power distribution technology.

Established Xiaoju Green Energy (Shenzhen) with Xiaoju Charge, a subsidiary of Didi Group.

## 2020

Won top 10 competitive brands in China charging industry.

Established a laboratory with Xiaoju Charge and launched the world's leading "energy shield" four-level charging safety protection technology.

## 2021

Set up the Digital Energy Research Institute with Xi'an Jiaotong University to accelerate the expansion of energy storage and microgrid field.

Launched Chaoji charging high-power liquid cooling system (maximum 900kW per connector).

## 2022

Successfully went public (stock code 600212), officially opening the era of Gresgying 3.0.

Deep integration of the PV + ESS + EV charging system accelerates the construction of a comprehensive digital energy network, and lead the new development of the new energy industry.

## 2023

Enter into European & Japanese market. Megawatt-scale charging system - 960kW high-power DC charging hub launched in the market.





**30%+**  
R&D personnel

## RESEARCH AND DEVELOPMENT



Independent R&D  
and Product Design Institutes

# OCCP PLATFORM



# CASES



Iceland



Sweden



Poland



Switzerland



Portugal



Greece



Italy



Australia



With years of experience and advanced technology, Gresgying provides a variety of reliable and safe EVSE, ESS and microgrids. Whether you are a CPO, MSP, business owner, fleet, or EV driver, Gresgying EV chargers can meet all your charging requirements.

## 105000+

Charging Terminals

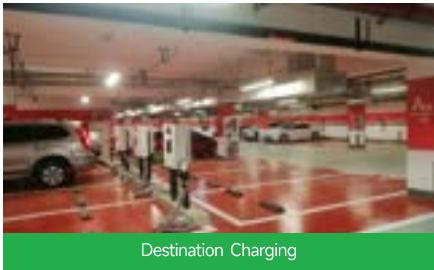
## 20+

Countries





# CASES



Destination Charging



Public Fast Charging Station



SANY Engineering Vehicle Charging Project



TONLY Engineering Vehicle Charging Project



BP Pulse Charging Station



Shell Recharge Station



Bus Charging Station



Fleet Charging Station



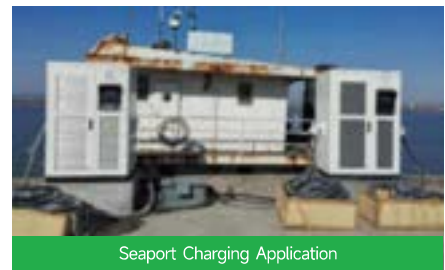
Xiaoju Charging Station



CNPC Charging Station



Sichuan-Tibet Line Laze Tunnel Charging Project



Seaport Charging Application





# TURBO WALLBOX

Powerful & durable Turbo wallbox, intelligent and flexible for various applications: public, fleets, retail & destination, workplace, and home.

- 1 OCPP1.6J
- 2 Multiple Network Connection
- 3 Type A + DC 6mA
- 4 Shutter Socket Available
- 5 Device Management System (DMS)

## HIGHLIGHTS

### Built-in MID Energy Meter



Integrated MID energy meter, complying with the most demanding billing requirement.

### Revolving LED Light & 4.3 inch Screen



The guiding revolving LED light and high resolution 4.3 inch screen providing user-friendly charging experience.

### IP65 & IP54 Protection



Our most durable and powerful public AC charging stations are dust, impact and waterproof, applicable for all extreme environment.

## H1-EU Parameter



Model	Model number	H1-EU	
Input Parameters	AC input voltage range	AC207V-264V (rated AC230 / 240V)	AC360V-456.5V (rated AC400 / 415V)
		Output current	32A
Output Parameters	Output power	7kW	11kW 22kW
	Connector type	Type 2 socket / 5m cable	
Protection	Leakage protection	Type A+DC 6mA	
	Electrical protection	Over / under voltage protection, over load protection, short circuit protection, earth leakage protection, ground protection, over-temp protection, surge protection	
User Interface & Control	User authentication	APP, QR Code (optional), RFID	
	HMI	4.3 inch (optional)	
	Connectivity	LAN / WiFi / 4G (optional)	
	External communication	RS485	
Mechanical Parameters	Communication protocol	OCPP 1.6J	
	Dimension (W×D×H)	240mm×145mm×460mm	
	Net weight	8.5kg (Case C); 6.5kg (Case B)	
	Protection	IP65 (Case C); IP54 (Case B)	
Environmental Data	Storage temperature	-40~75°C	
	Operating temperature	-30~50°C	
	Operating humidity	5%~95% (no condensation)	
	Altitude	≤2000m	
	Cooling method	Natural cooling	
Material	PC+ASA		
Optional	MID energy meter inside (meter window optional)		
Certificate	CE, CB, UKCA		



## 30kW DC CHARGER

Gresgying 30kW DC charger integrates intelligent control, precise metering, remote communication, easy installation to provide safe, stable and real 30kW charging services for electric vehicles, a perfect solution for retail and destination charging.

### HIGHLIGHTS

#### Flexible Configuration



Built-in PTB certified DC energy meter  
Window for energy meter  
Built-in credit card payment POS terminal

#### Intelligent Control



Device Management System (DMS)  
LAN & 4G connection  
OCPP1.6J

#### Strong Performance



Wide output voltage DC150-1000V  
Low standby power consumption  
Charging efficiency up to 95%

## F1-EU Parameter



Model	Model number	F1-EU
	Rated power	30kW
Input Parameters	AC input voltage range	AC323V-460V (rated AC380V)
	AC input current range	0-58A (rated 48A)
	Grid types	TN-S / TN-C-S / TT
	Grid connection	3P+N+PE
Output Parameters	Output options	CCS2
	DC output voltage range	DC150V-1000V
	Constant power range	DC300-1000V
	DC output current	0-100A
Electrical Parameters	Peak efficiency	≥95%
	Power factor (full load)	≥0.99
	THDi	≤5%
User Interface & Control	User authentication	APP, RFID, QR Code (optional)
	HMI	7 inch touch screen
	Connectivity	Ethernet / 4G
	Communication protocol	OCPP 1.6J
	Vehicle & charger communication	ISO 15118 / DIN 70121-2014
Mechanical Parameters	Cable length	4.5m
	Dimension (W×D×H)	600mm×260mm×750mm
	Net weight	71kg
	Protection	IP54, IK10
Environmental Data	Storage temperature	-40-70°C
	Operating temperature	-30-50°C (50-70°C power degrading)
	Operating humidity	5%-95% (no condensation)
	Altitude	≤2000m (2000-4000m degrading)
Optional	Payment terminal, PTB meter	
Certificate	CE, UKCA	



# 60kW DC CHARGING STATION

Gresgying 60kW DC charging station is providing double CCS2 connectors. It can provide safe, reliable and efficient charging service while monitoring real-time charging status.

## HIGHLIGHTS

For Charge  
Point Operator/  
Owner



- All aluminum Z-shaped shutter patented technology, 35ppi, compact, dust-proof, suitable for harsh environment.
- The equipment control unit and power modules are designed in different compartments with high reliability.
- Maximum charging efficiency up to 95%, improving the operation efficiency.
- Low standby power consumption and low operation cost.
- Equal power distribution to improve equipment utilization.
- Device management system (DMS), supporting online status diagnosis and OTA remote upgrade.
- Output voltage range DC150-1000V.

For Charge  
Point User



- Streamlined design, clear SOC status display, increasing user satisfaction.
- Rapid charge, max. 60kW charging power saving charge time.
- Electrical protections not only to minimize the human safety risk of electrical shock but also to ensure the maximum uptime due to independent protections per connector.
- Display sunshade protection, cold light assistance, effectively solving the problem of unclear screen display under direct sunlight.
- Wide constant charging power range, 100% fast charging for all types of electric vehicles.
- Intelligent security guard, real-time monitoring of dynamic data, high charging safety.

## F2-EU Parameter



Model	Model number	F2-EU
	Rated power	60kW
Input Parameters	AC input voltage range	AC323V-460V (rated AC380V)
	AC input current range	0-114A (rated 97A)
	Grid types	TN-S / TN-C-S / TT
	Grid connection	3P+N+PE
Output Parameters	Output options	CCS2x2 (CCS2+CHAdeMO optional)
	DC output voltage range	DC150V-1000V
	Constant power range	DC300-1000V
Electrical Parameters	DC output current range	0-200A
	Peak efficiency	≥95%
	Power factor (full load)	≥0.99
	THDi	≤5%
User Interface & Control	Dynamic power distribution	Min. 30KW switch power
	User authentication	APP, RFID, QR Code (optional)
	HMI	7 inch touch screen
	Connectivity	Ethernet / 4G
	Communication protocol	OCPP 1.6J
	Vehicle & charger communication	ISO 15118 / DIN 70121-2014
Mechanical Parameters	Cable length	4.5m
	Dimension (W×D×H)	700mm×400mm×1550mm
	Net weight	190kg
	Protection	IP54, IK10
Environmental Data	Storage temperature	-40~70°C
	Operating temperature	-30~50°C (50~70°C power degrading)
	Operating humidity	5%~95% (no condensation)
	Altitude	≤2000m (2000~4000m degrading)
Optional	Cooling method	Forced air cooling
Optional	Payment terminal, PTB meter, cable management system	
Certificate	CE, UKCA	



## 120kW & 180kW DC CHARGING STATION

Gresgying 120 & 180kW DC charging station is providing double CCS2 connectors. It can provide safe, reliable and efficient charging service while monitoring real-time charging status. A perfect solution for public charging and heavy commercial vehicles charging.

### HIGHLIGHTS

For Charge  
Point Operator/  
Owner



- All aluminum Z-shaped shutter patented technology, 35ppi, compact, dust-proof, suitable for harsh environment.
- The equipment control unit and power modules are designed in different compartments with high reliability.
- Maximum charging efficiency up to 95%, improving the operation efficiency.
- Low standby power consumption and low operation cost.
- Dynamic power distribution to improve equipment utilization.
- Intelligent equipment management, supporting online status diagnosis and OTA remote upgrade.
- Output voltage range DC150V-1000V.

For Charge  
Point User



- Streamlined design, clear SOC status display, increasing user satisfaction.
- Rapid charge, max. 120 & 180kW charging power saving charge time.
- Electrical protections not only to minimize the human safety risk of electrical shock but also to ensure the maximum uptime due to independent protections per connector.
- Display sunshade protection, cold light assistance, effectively solving the problem of unclear screen display under direct sunlight.
- Wide constant charging power range, 100% fast charging for all types of electric vehicles.
- Intelligent security guard, real-time monitoring of dynamic data, high charging safety.

## F3-EU Parameter



Model	Model number	F3-EU	
	Rated power	120kW	180kW
Input Parameters	AC input voltage range	AC323V-460V (rated AC380V)	
	AC input current range	0~228A (rated 194A)	0~342A (rated 291A)
	Grid types	TN-S / TN-C-S / TT	
	Grid connection	3P+N+PE	
Output Parameters	Output options	CCS2*2 (CCS2+CHAdeMO optional)	
	DC output voltage range	DC150V-1000V	
	Constant power range	DC300-1000V	
	DC output current range	0~200A	0~250A
Electrical Parameters	Peak efficiency	≥95%	
	Power factor (full load)	≥0.99	
	THDi	≤5%	
	Dynamic power distribution	Min. 30kW switch power	
	User authentication	APP, RFID, QR Code (optional)	
User Interface & Control	HMI	7 inch touch LCD	
	Connectivity	Ethernet / 4G	
	Communication protocol	OCPP1.6J	
	Vehicle & charger communication	ISO15118 / DIN70121-2014	
Mechanical Parameters	Cable length	4.5m	
	Dimension (W×D×H)	800mm×600mm×1700mm	
	Net weight	310kg	355kg
	Protection	IP54, IK10	
	Storage temperature	-40~70°C	
Environmental Data	Operating temperature	-30~50°C (50~70°C power degrading)	
	Operating humidity	5%-95% (no condensation)	
	Altitude	≤2000m (2000-4000m degrading)	
	Cooling method	Forced air cooling	
Optional	Payment terminal, PTB meter, cable management system		
Certificate	CE, UKCA		





## 120 & 180kW DC CHARGING STATION (CHAdeMO)

Gresgying provides 120 & 180kW DC charging station with double CHAdeMO connectors. It can provide safe, reliable and efficient charging service while monitoring real-time charging status. A perfect solution for public charging and heavy commercial vehicles charging.

### HIGHLIGHTS

#### For Charge Point Operator/ Owner

- All aluminum Z-shaped shutter patented technology, 35ppi, compact, dust-proof, suitable for harsh environment.
- The equipment control unit and power modules are designed in different compartments with high reliability.
- Maximum charging efficiency up to 95%, improving the operation efficiency.
- Low standby power consumption and low operation cost.
- Dynamic power distribution to improve equipment utilization.
- Intelligent equipment management, supporting online status diagnosis and OTA remote upgrade.
- Output voltage range DC150-1000V.

#### For Charge Point User

- Streamlined design, clear SOC status display, increasing user satisfaction.
- Rapid charge, max. 120 & 180kW charging power saving charge time.
- Electrical protections not only to minimize the human safety risk of electrical shock but also to ensure the maximum uptime due to independent protections per connector.
- Display sunshade protection, cold light assistance, effectively solving the problem of unclear screen display under direct sunlight.
- Wide constant charging power range, 100% fast charging for all types of electric vehicles.
- Intelligent security guard, real-time monitoring of dynamic data, high charging safety.

## F3-JAP120-JJ / F3-JAP180-JJ

### Parameter

Model	Model number	F3-JAP120-JJ	F3-JAP180-JJ
	Rated power	120kW	180kW
Input Parameters	AC input voltage range	AC323V-460V (rated AC380V)	
	AC input current range	0-217A	0-325A
	Grid types	TN-S / TN-C-S / TT	
	Grid connection	3P+N+PE	
Output Parameters	Output options	CHAdeMO×2	
	DC output voltage range	DC150V-450V	
	Constant power range	DC300-450V	
	DC output current range	0-200A	
Electrical Parameters	Peak efficiency	≥95%	
	Power factor (full load)	≥0.99	
	THDi	≤5%	
	Dynamic power distribution	Min. 30kW switch power	
User Interface & Control	User authentication	APP, RFID, QR Code (optional)	
	HMI	7 inch touch LCD	
	Connectivity	Ethernet / 4G	
	Communication protocol	OCPP1.6J	
Mechanical Parameters	Standard	CHAdeMO2.0 / IEC 61851-1 / IEC 61851-23 / EN IEC 61851-21-2	
	Cable length	4.5m	
	Dimension (W×D×H)	800mm×600mm×1700mm	
	Net weight	310kg	355kg
	Protection	IP54, IK10	
Environmental Data	Storage temperature	-40~70°C	
	Operating temperature	-30~50°C (50~70°C power degrading)	
	Operating humidity	5%-95% (no condensation)	
	Altitude	≤2000m (2000~4000m degrading)	
Certificate	CHAdeMO		
	Cooling method	Forced air cooling	

# 480kW CHARGING HUB



With Gresgying flexible power sharing and distribution technology, the 480kW charging hub fully distributes each power module to each connector to meet the power requirements of different vehicles, so as to avoid idle power modules. It is ideally suitable for public on the go network and HCV fleets operation.

## FEATURES

1

Regular CCS2 connector maximum output 300A, HPC connector maximum output 500A

4

Credit card payment terminal (integrated & standalone)

2

Upgradable output power of each connector to meet future requirements

5

Parallel connection to 960kW

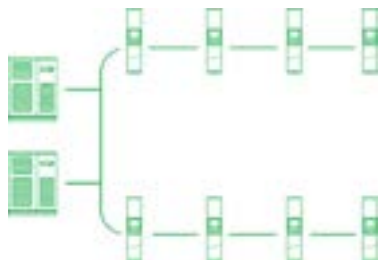
3

Cable management system

## LCSDU-W480E-V10 Parameter

Model	Model number	LCSDU-W480E-V10	
	Rated power	480kW	
Input Parameters	AC input voltage range	AC323V-437V (rated AC380V)	
	AC input current range	≤912A	
	Grid types	TN-S / TN-C-S / TT	
Output Parameters	DC output voltage range	DC150-1000V	
	Constant power range	DC300-1000V	
	DC output current	1600A (system)	
	Output connectors	Max. 12 connectors	
Electrical Parameters	Peak efficiency	≥95%	
	Power factor (full load)	≥0.99	
	THDi	≤5%	
	Dynamic power distribution	Min. 40kW switch power	
User Interface & Control	User authentication	APP, RFID, QR Code (optional)	
	HMI	10 inch touch LCD	
	Communication	Ethernet / 4G	
Terminals	Terminal type	Booster terminal	HPC terminal
	Connector	2×CCS2	1×HPC
	Cable length	5m	5m
	Single connector output current	0-300A	0-500A
	Dimensions (W×D×H)	400×300×2100mm	820×300×2100mm
	Cooling method	Forced air cooling	Liquid cooling
Mechanical Parameters	Dimension (W×D×H)	1300mm×900mm×1800mm	
	Net weight	1000kg	
	Protection	IP54, IK10	
Environmental Data	Operating temperature	-30~50°C (50~70°C power degrading)	
	Storage temperature	-40~85°C	
	Operating humidity	5%-95% (no condensation)	
	Altitude	≤2000m (2000~4000m degrading)	
	Cooling method	Forced air cooling	
Optional	Payment terminal, PTB meter, cable management system		
Certificate	CE, UKCA		

# FULL LIFE CYCLE STATION SCHEME



Step 1	Build the charging hub
Scenario	Passenger vehicles, logistics vehicles, buses, heavy duty trucks
Demand	Average 60kW / connector Maximum 300kW / connector
Configuration	480kW with 4 terminals / 8 connectors



Step 2	Upgrade average power
Scenario	Passenger vehicles, logistics vehicles, buses, heavy duty trucks
Demand	Average 120kW / connector Maximum 300kW / connector
Configuration	To add a 480kW power cabinet providing 2*480kW with 4 terminals / 8 connectors



Step 3	Upgrade HPC charging
Scenario	High power charging vehicle
Demand	Average 120kW / connector Partial upgrade: maximum 400kW / connector
Configuration	Upgrade part of the terminals to 500A HPC terminals

## DLM CONTROLLER



The DLM (Dynamic Load Management) controller compares the set maximum power limit with the total active power of the charging stations collected by the gateway meter, and manage the dynamic load of the charging stations, to prevent transformer overload, thereby avoiding power safety issues in charging stations.

### Parameter

Model Number	LCC-YX-V10	
Power Parameters	AC input range	AC187-253V (rated AC 220V)
	Power	≥50W
Connectivity	Grid connection	L+N+PE
	Energy meter	RS485
	EV charger connection	LAN
	Max. number of connection	7pcs EV chargers (optional 13pcs)
	DMS connection	4G
Features	HMI	7 inch touch screen
	Dimension (W×D×H)	290mm×155mm×430mm
	Netweight	≤10kg
	Protection	IP54
	Installation	Wall mount (optional with pillar)
	Storage temperature	-30~70°C
	Operating temperature	-20~50°C
	Operating humidity	5%~95% (no condensation)
	Altitude	≤2000m



THE PROFESSIONAL  
EV CHARGING  
SOLUTION PROVIDER.



DOWNLOAD CATALOG



**Make energy smarter Make life better**

- ✉ [sales@gresgying.com](mailto:sales@gresgying.com)
- 📍 No. 24 Fengqi Road, Energy & Finance Trade Zone,  
Xixian New Area, Shaanxi, China
- 🌐 <https://www.gresgying.global>



Catalog



LinkedIn



Website