上海动笠科技技术有限公司

Shanghai Dongli Technology Co., Ltd.

Energy Storage & Charging Systems

Technical Manual

2026

中国（上海）自由贸易试验区临港新片区丽正路1628号4幢1-2号

上海动笠科技技术有限公司

Shanghai Dongli Technology Co., Ltd.

Shanghai Dongli Technology Co., Ltd. is located in Shanghai, China. The company has a professional marketing and R&D team dedicated to developing products that meet customer needs.

The company focuses on the design, manufacturing, sales and service of EV charging power distribution systems and connected systems. Its main products include portable Mode 2 EV chargers, charging stations, EV charging connectors, dischargers, charging cables and power distribution units.

With a focus on customer needs, continuous innovation and cooperation, the company develops solutions based on power electronics, electronic information and software technology.

We will continue to innovate and strive to become an excellent solution provider in the EV charging field.

CERTIFICATES


ANZ Electrical Compliance

RADIO SPECTRUM MANAGEMENT

SUPPLIER'S DECLARATION OF CONFORMITY

AUTHORISED AGENT DETAILS

PRODUCT DETAILS

COMPLIANCE INFORMATION AND PRODUCT LABELLING

DECLARATION

Page 1 of 1


CERTIFICATE

of Conformity

Directive 2014/53/EU

Radio Equipment

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TÜVRheinland®

Precisely Right.


CERTIFICATE

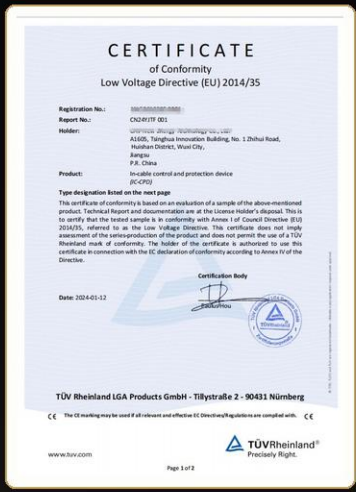
of Conformity

Radio Equipment Regulations 2017

TUV Rheinland UK Ltd.

TÜVRheinland®

Precisely Right.


CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

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CERTIFICATE

of Conformity

Electrical Equipment (Safety) Regulations 2016

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TÜVRheinland®

Precisely Right.


IEC IECEE

CB TEST CERTIFICATE

TÜVRheinland®


IEC IECEE

CB TEST CERTIFICATE

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Verification of Conformity

For

RoHS Directive (2011/65/EU)


Prüfbericht - Produkte

Test Report - Products

TÜVRheinland®


Zertifikat *Certificate*

TÜVRheinland®

Precisely Right.

CONTENTS

A scenario-led product architecture for charging

01 PRODUCT FAMILY

HOME & COMMUNITY CHARGING

Smart AC charging for homes, workplaces, hotels and commercial parking.

AC / WALLBOX

REAL PRODUCT IMAGE · ALIBABA EV CHARGER LISTING

01 · AC WALLBOX

One-Line Positioning

Globally Certified · Smart & Portable · Dual Purpose AC EV Charger for Home & Commercial Use

AC WALLBOX

7–22

kW LISTED RANGE

Six Core Selling Points

- 1. Universal compatibility
- Type 2 / Type 1 plugs, covering EU & US markets
- Wide voltage (110–250V / 380–450V) — single & three-phase, charge anywhere

- 2. Smart control
- HD LCD display; Bluetooth / WiFi / App remote control
- Delayed, timer & quantitative modes — charge off-peak, save money
- RFID card activation for easy multi-user access

- 3. Superior safety
- Dual leakage protection: AC 30mA + DC 6mA (above industry standard)
- 6 protections: over/under-voltage, over-current, over-temp, leakage, lightning
- IP55 weatherproof control box — safe for outdoor use

- 4. Home today, commercial tomorrow
- Plug-and-play at home; optional OCPP 1.6J + 4G/Ethernet/WiFi upgrade for commercial charging networks
- One SKU covers both consumer & business segments

- 5. Full certifications
- TUV, CB, CE, RED, UKCA, TR25, FCC
- IEC 61851 / UL 2594 compliant — ready for EU, US & UK markets

- 6. Built to last
- Durable TPU cable, 5m + 1m length, holster included

Save money at home, charge anywhere on the road, earn revenue commercially, sell globally.

1. Home charging (core)
Overnight charging, auto stop when full
Timer/delayed mode for off-peak rates — cut electricity costs
RFID card / App control for multi-vehicle households
No installation needed — ideal for renters and apartments

2. Portable / travel
Wide voltage (110–250V / 380–450V) — charge anywhere: road trips, hotels, relatives' homes
Fits in trunk with included holster

3. Outdoor use
IP55 weatherproof control box — direct wall mount in driveways and yards

4. Small commercial operation
With OCPP 1.6J + 4G/Ethernet: paid public charging via platform
Perfect for B&Bs, hotels, office parks, apartments, shops — turn parking spaces into revenue

5. Fleet & shared management
RFID + App authorization — restrict usage to approved users only
Great for ride-hailing fleets, rental companies, company cars

6. Multi-market selling
Type 2 / Type 1 versions + 7 certifications (TUV, CB, CE, RED, UKCA, TR25, FCC) — one product line covers EU, US, UK

APPLICATIONS HOME · WORKPLACE · HOTEL · APARTMENT · COMMERCIAL PARKING

SOURCE-ALIGNED TECHNICAL PROOF The store contains multiple closely related wallbox listings. This page groups them as a family; the final release should map each visual and specification to its exact SKU.

01 · AC WALLBOX

One-Line Positioning

Globally Certified · Smart & Portable · Dual Purpose AC EV Charger for Home & Commercial Use

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7–22

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01 PRODUCT FAMILY

Type 2 EV charger:

10 certs
6-layer safety
all-region plugs

PORTABLE / CEE

1. Fully certified, globally sellable
TUV, CB, CE, UKCA, RCM, TR25, EMC, RoHS, REACH, FCC
Covers EU, UK, AU/NZ, Switzerland, US market entry
Compliant with IEC 62752 (Mode 2 IC-CPD standard)

2. 6-layer safety protection
RCD AC 30mA + DC 6mA — detects DC leakage that standard RCDs miss
Overvoltage, undervoltage, overcurrent, over-temperature, lightning protection
IP67 control box — weatherproof, safe outdoors

3. One unit, multi-market
Plug options: UK, Schuko, AU, Swiss, Blue CEE
Wide voltage 110–250V AC
Type 2 connector — EU mainstream, compatible with most EVs

4. Smart & cost-saving
LCD real-time charging status
Adjustable current — fits any household circuit, no tripping
Delayed charging up to 8h — charge at off-peak rates, cut electricity bills

5. Rugged build
TPU cable (3×2.5(6)mm²+1×0.5mm²) — abrasion-resistant, cold-resistant, long-lasting
4m charging cable + 1m power cable

01 · PORTABLE AC

3-phase Type 2 Charger

Faster Charging, Smart App Control, Weatherproof Build.

TYPE 2

11–22

kW LISTED RANGE

Portable form factors with LCD monitoring, adjustable current and timed charging options.

- 1. 3-phase fast charging
- 380–450V AC with Red CEE plug — up to 3× faster than single-phase
- Type 2 connector, EU mainstream standard

- 2. Smart control via App
- Bluetooth + WiFi + App — monitor and control from your phone
- LCD real-time charging status
- Delayed charging up to 12h — charge at off-peak rates

- 3. Certified & safe
- IEC 62752 compliant; TUV, CE certified
- RCD AC 30mA + DC 6mA — detects DC leakage standard RCDs miss
- 6-layer protection: leakage, over/under-voltage, overcurrent, over-temperature, lightning

- 4. Built for the outdoors
- IP66 control box — dust-tight, weatherproof
- 5m TPU cable (5×2.5(6)mm²+1×0.5mm²) — abrasion & cold resistant, flexible

- 5. User-friendly
- Adjustable current — fits household/industrial circuits, no tripping

Save money at home, charge anywhere on the road

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Overnight charging, auto stop when full
Timer/delayed mode for off-peak rates — cut electricity costs
RFID card / App control for multi-vehicle households
No installation needed — ideal for renters and apartments

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Wide voltage (110–250V / 380–450V) — charge anywhere: road trips, hotels, relatives' homes
Fits in trunk with included holster

3. Outdoor use
IP55 weatherproof control box — direct wall mount in driveways and yards

APPLICATIONS HOME · TRAVEL · CAMPING · FARM · WORKSHOP · ROADSIDE EMERGENCY

SOURCE-ALIGNED TECHNICAL PROOF Certification marks are listing-specific. Do not place all marks on every portable charger page; match each mark to its source listing.

COMMERCIAL & DESTINATION CHARGING

Make your car charging station safe and worry-free, and earn money with ease.

PAYMENT&SETTLEMENT LOCALIZATION

Cocalization configured first
OCPP&localpymentprocolsintgrad
so charging stations are commerciallyready

PRODUCT SELECTION & PRICING

Products and pricing confirmed
afterlocalizationis inplace
preventing loss of customer time and revenue

PRODUCTION&DELIVERY

Fully traceable production process
complete testing with reports issued
ready to use on delivery

SERVICE GUARANTEE

OTC backend upgrades & maintenance
12-hour response for non-hardware issues
spare parts prepared in advance

03 · V2G

All-in-One DC Charging Station

96% efficiency + OTA + low standby = lowest total cost of ownership

M1

20–40

kW RATED POWER

Smart wallbox with 96% efficiency, OTA upgrades, and flexible wall/pedestal mounting — built for low cost, high uptime.

- 1. Higher efficiency, lower running costs
- 96% overall efficiency — less energy wasted, better ROI
- Ultra-low standby consumption — cuts operating costs 24/7

- 2. Reliable by design
- Compartmentalized control & power components — high reliability
- High protection + low noise — stable in harsh environments
- Intelligent safety guard: 24 dynamic charging data points monitored in real time

- 3. Smart management, less maintenance
- Online status diagnosis — catch issues before failures
- OTA remote upgrades — no on-site servicing needed

- 4. Maximum compatibility & flexibility
- Ultra-wide charging voltage range — supports various vehicle models
- Integrated block design — wall-mounted or floor-mounted (pedestal), one unit fits any site

- 5. Premium user experience
- Cool LED light guide + embedded QR code for instant app access
- Refined industrial design that elevates any location (home, workplace, fleet)

High protection and low noise design with strong environmental adaptability

Compartmentalized design for control and power components, ensuring high reliability

Intelligent safety guard with 24 dynamic charging data points
Overall efficiency up to 96%, enhancing operational benefits

Low standby power consumption to reduce operating costs

Ultra-wide charging voltage range to meet the needs of various vehicle models

Integrated block design, support for both wall-mounted and floor-mounted (pedestal) installation

Intelligent management with online status diagnosis and OTA remote upgrades

Cool-light assistance, embedded QR code, and exquisite industrial design

APPLICATIONS V2G · SOLAR STORAGE · ENERGY ROUTING · COMMERCIAL EV SYSTEMS

SOURCE-ALIGNED TECHNICAL PROOF M1 source fields include operating temperature, single connector and customizable 5m cable. Keep these fields tied to the M1 listing only.

Technical Specifications

Product Model	CPM4-20 01	CPM4-30 01	CPM4-40 01
Rated Power	20kW	30kW	40kW
AC Input Parameters			
Voltage Range	AC380V±15%,3P5W		
Input Current	≤38A	≤57A	≤75A
Frequency	50±5Hz		
Power Factor	≥0.98		
Inrush Current	Peak ≤110% of rated		
DC Output Parameters			
Output Voltage Range	DC200V~DC1000V (Continuously adjustable)		
Max Output Current	60A	100A	125A
Voltage Regulation	≤±0.5%		
Current Regulation	≤±1%		
Ripple	≤1%		
Current Imbalance	≤5%		
Environmental Conditions			
Operating Temperature	-30℃~70℃ (Derating above 55°C)		
Relative Humidity	5%~95%RH		
Altitude	＜2000m (Derating above 2000m)		
Basic Characteristics			
Charging Interface	Single connector		
Cable Length	5m		
BMS Auxiliary Power	12V		
User Interface	7" Touchscreen, LED, RFID, E-stop		
Overall Efficiency	≥96%		
Noise Level	Level II		
Cooling Method	Forced air cooling		
Communication Interface	Ethernet / 4G		
Startup Method	APP/Local/VIN/RFID		
Payment Method	RFID, Alipay, WeChat,APP,etc.,		
Protection Functions			
Input Over-voltage Protection	√	√	√
Input Under-voltage Protection	√	√	√
Output Over-voltage Protection	√	√	√
Short Circuit Protection	√	√	√
Over-temperature Protection	√	√	√
Battery Reverse Polarity Detection	√	√	√
DC Contactor Adhesion Detection	√	√	√
Structural Description			
Dimensions (W×D×H)	450×235×700 mm		
Installation	Wall-mounted		
Protection Rating	IP54		
Installation Site	Indoor / Outdoor		

Energy storage & charging systems·since 2014

All-in-One DC Charging Station

60/80/120/160/200/240kW

A streamlined all-in-one DC charging station for bus terminals, public charging stations and specialized transportation depots —up to 96% efficiency with smart management.

Performance Features

All-aluminum louver design with 50 PPI high-density dustproof structure
24 dynamic charging data points for high charging safety
Streamlined design with high-brightness SOC status display
Overall efficiency up to 96%, enhancing operational benefits
Potting process for charging modules, resistant to wind-blown sand and salt spray
150-10oov wide constant power range, ensuring 100% fast charging for all vehicles
Intelligent equipment management, supporting online status diagnosis and OTA remote upgrades

60-240 kW
Rated Power Range

Up to 96%
OverallEfficiency

IP54
Indoor /Outdoor

150-1000V
Wide Constant Power

Technical Specifications

Product Model	CPM4-80 01	CPM4-120 01	CPM4-160 01	CPM4-200 01	CPM4-240 01
Rated Power	80kW	120kW	160kW	200kW	240kW
AC Input Parameters					
Voltage Range	AC380V±15%,3P5W				
Input Current	≤149A	≤223A	≤298A	≤372A	≤446A
Frequency	50±5Hz				
Power Factor	≥0.98				
Inrush Current	Peak ≤110% of rated				
DC Output Parameters					
Output Voltage Range	DC150V~DC1000V				
Constant Power Voltage Range	DC300V~DC1000V				
Max Output Current	250A	Single 250A, Dual up to 400A	Single 250A, Dual up to 500A		
Voltage Regulation	≤±0.5%				
Current Regulation	≤±1%				
Ripple	≤1%				
Current Imbalance	≤5%（10%~100%load）				
Environmental Conditions					
Operating Temperature	-30℃~70℃（Derating above 55℃）				
Relative Humidity	5%~95%RH				
Altitude	＜2000m（Derating above 2000m）				
Basic Characteristics					
Charging Interface	Single connector	Dual connectors			
Cable Length	Standard 5m, customizable				
BMS Auxiliary Power	12V				
Overall Efficiency	≥96%				
Standby Power	≤30W				
Noise Level	Level II				
Cooling Method	Forced air cooling				
Communication Interface	Ethernet/4G				
User Interface	7" Touchscreen, LED, RFID, E-stop				
Startup Method	APP/Local/VIN/RFID				
Payment Method	RFID, Alipay, WeChat, APP,etc.,				
Protection Functions					
Input Over-voltage Protection	√	√	√	√	√
Input Under-voltage Protection	√	√	√	√	√
Output Over-voltage Protection	√	√	√	√	√
Short Circuit Protection	√	√	√	√	√
Grounding Protection	√	√	√	√	√
Over-temperature Protection	√	√	√	√	√
Lightning Protection	√	√	√	√	√
Open-door Power-off Protection	√	√	√	√	√
Leakage Protection	√	√	√	√	√
Insulation Monitoring	√	√	√	√	√
Anti-reverse Flow Protection	√	√	√	√	√
DC Contactor Adhesion Detection	√	√	√	√	√
Battery Reverse Polarity Detection	√	√	√	√	√
Structure Description					
Dimensions (W×D×H)	700 × 610 × 1750 mm				
Installation	Floor-standing				
Protection Rating	IP54				
Installation Site	Indoor / Outdoor				

Split DC Charging Stack

360/480/600/720/800/960kW

Super-high-power split DC charging stack for bus
depots and heavy-duty truck stations - flexible fast
and ultra-fast charging, up to 60oA liquid-cooled
output.

All-aluminum louver design with 5oPPI high-density dust protection

Fully potted charging modules for strong environmental adaptability

Optimized power module scheduling algorithm for higher operating efficiency

Flexible combination of fast charging and ultra-fast charging, supporting up to 6ooA liquid-cooled ultra charging

Operation data recording and analysis for full lifecycle management

Dynamic charging data monitoring for active battery protection

Active sleep mode reduces standby power consumption and operating costs

Wide constant-power voltage range compatible with various EV models

Intelligent management with online diagnostics and OTA remote upgrade support

360-960 kW
Rated Power Range

Up to 600A
Liquid-Cooled Output

1-12
Charging Connectors

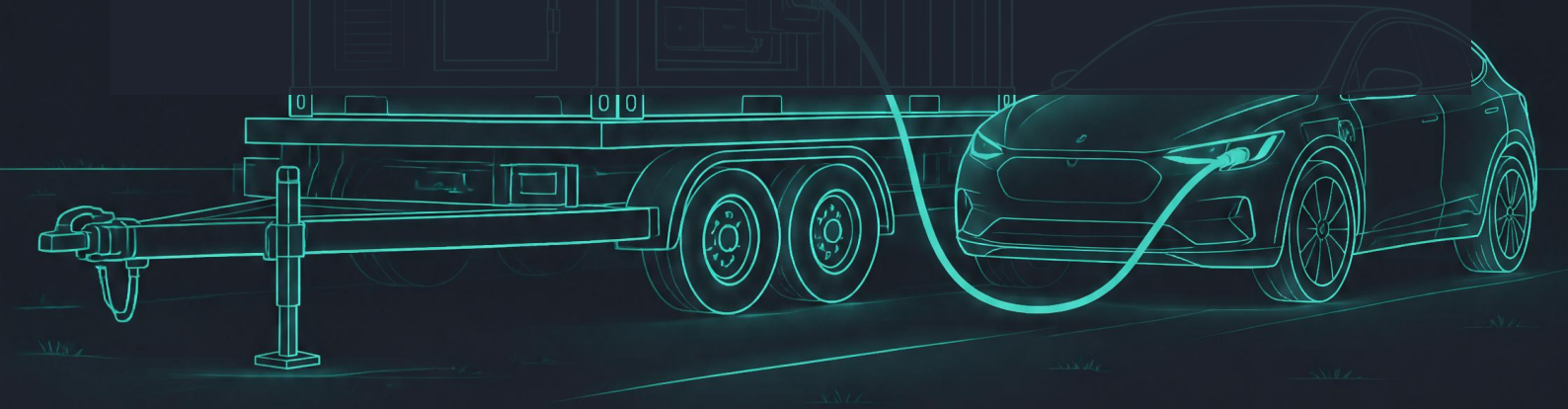
-30°C-70°C
Wide-Range Operation

Technical Specifications

Product Model	CPM4-360 02	CPM4-480 02	CPM4-600 02	CPM4-720 02	CPM4-800 02	CPM4-960 02
Rated Power	360kW	480kW	600kW	720kW	800kW	960kW
AC Input Parameters						
Voltage Range	AC380V±15%					
Frequency	50±5Hz					
Input Current	≤670A	≤890A	≤1110A	≤1340A	≤1490A	≤1785A
Power Factor	≥0.98					
Inrush Current	Peak ≤110% of rated					
DC Output Parameters						
Output Voltage Range	DC150V~DC1000V					
Constant Power Voltage Range	DC300V~DC1000V					
Voltage Regulation	≤±0.5%					
Current Regulation	≤±1%					
Ripple	≤±0.5%					
Environmental Conditions						
Operating Temperature	-30℃~70℃(Derating above 55℃)					
Relative Humidity	5%~95%RH(Non-condensing)					
Altitude	＜2000m(Derating above 2000m)					
Basic Characteristics						
No. of Charging Connectors	1-6	1-8	1-10	1-12	1-10	1-12
Charging Terminal Type	Fast Charging(Single-gun / Dual-guns) / Ultra-fast Charging					
Max Output Current per Connector	250A／300A／400A／600A					
Max System Output Current	1200A	1600A	2000A	2400A	2666A	3200A
User Interface	LED, E-stop					
Overall Efficiency	≥96%					
Cooling Method	Forced Air Cooling					
Communication Interface	Ethernet / 4G					
Noise Level	Level II					
Standby Power Consumption	＜n × 50W (n = No. of charging connectors under rated voltage)					
Power Distribution	Intelligent dynamic power allocation with flexible module distribution to each connector					
Mechanical Features	System capacity can be expanded by adding charging modules directly					
Protection Functions						
	Input Over-voltage Protection, Input Under-voltage Protection, Output Over-voltage Protection, Short Circuit Protection, Over-temperature Protection, Grounding Protection,Lightning Protection, Open-door Power-off Protection,Leakage Protection,Insulation Detection, DC Contactor Adhesion Detection,					
Structure Description						
Dimensions (W × D × H)	1300×900×1800 mm		2000x900x2000 mm			
Installation	Floor-standing					
Protection Rating	IP54					
Installation Site	Indoor / Outdoor					

MOBILE ENERGY STORAGE CHARGING

Unaffected by grid load, charging during low electricity prices, and charging with energy storage during high electricity prices.



integrated digital energy storage cabinet combining charging and energy storage functions. Under normal conditions, mains power supplies the charging station; the lithium battery system charges during low electricity price periods and discharges to power the station during high price periods. Solar power prioritizes the charger, then supplements battery capacity. Compact design facilitates transport and meets emergency charging/discharging needs.

CPCBG All-in-One Storage & Charging System

One cabinet, three jobs -50kW energy storage, 93kWh battery capacity and 12okW fast charging,with peak-shaving and valley-filling to cut electricity costs.

50kW/93kWh-120kW

Modular design, flexible configuration, and reliable operation
Intelligent liquid cooling with precise control, low noise and high efficiency
Intelligent device management supporting online diagnostics and OTA remote upgrades
IP54 protection rating for application in complex and variable outdoor environments
Capacity expansion via lithium batteries to alleviate grid pressure
Peak-shaving and valley-filling to reduce electricity costs
Supports open communication protocols
Supports multi-standard charging interfaces

Technical Specifications

Product Model	CPCBG-50-93-120-2
AC Input Parameters	
Voltage Range	AC380V±15%,3P5W
Input Current	≤225A
Frequency	50/60Hz±5%
ESS Parameters	
Rated Power	50kW
Battery Capacity	93kWh
Cells & Pack	LFP 280Ah, 1P52S x 2
C-rate	0.5P@25°C
Overall Efficiency	≥95%
PF Adjustment Range	-1.0~+1.0
THDi	≤3% (at rated power)
Overload Capacity	110% rated, 10min
Grid Support	L/HVRT, Active/Reactive Power Control
EV Charger Parameters	
Rated Power	120kW
Charging Interface	Dual connectors, 5m standard cable length
Output Voltage Range	DC200V~DC1000V,continuously adjustable
Max Output Current	250A
Voltage Regulation	≤±0.5%
Current Regulation	≤±1%
Ripple	≤1%
Current Imbalance	≤5% (10% - 100% load)
Overall Efficiency	≥96%
General Characteristics	
HMI	7" Touchscreen, LED, RFID, E-stop
Communication	4G / Ethernet
Noise Level	≤70 dB
Cooling Method	PCS: Smart air cooling, PACK: Liquid cooling, Charging module: Smart air cooling
Fire Suppression	Multi-sensor fire detection + Perfluorohexanone (FK-5-1-12)
Other Sensors	Water immersion (flood), Dehumidification, Door access control
Protection Functions	
EV Charger Protections	Input Over/Under-voltage Protection, Output Over-voltage Protection, Short Circuit Protection, Over-temperature Protection, Grounding Protection, Leakage Protection, Lightning Protection, Open-door Power-off Protection, Anti-reverse Flow Protection, Insulation Detection, DC Contactor Adhesion Detection, Battery Reverse Polarity Protection, etc.
ESS Protections	AC Over-current Protection, AC Over-voltage Protection, AC Short Circuit Protection, Anti-islanding Protection, Leakage Protection, DC Reverse Polarity Detection, Battery Over/Under-voltage Protection, Battery Over-current Protection, Battery Over/Under-temperature Protection, Battery Excessive Temperature Difference Protection, Insulation Detection, etc.
Environmental Conditions	
Operating Temperature	ESS: -30°C ~ 55°C (>45°C derating), EV Charger: -30°C ~ 70°C (>55°C derating)
Relative Humidity	0%~95%RH, non-condensing
Altitude	4000m (>2000m derating)
Structure Description	
Dimensions (W×D×H)	1475×1000×2272 mm
Weight	≤2.00t
Protection Rating	IP54

M4 Series Mobile Energy Storage Charging Station

An integrated digital energy storage cabinet combining EV charging and battery storage - charge at low-tariff periods, discharge at peak, prioritise solar input, ready for emergency charging anywhere.

IP54
Outdoor Protection

LI-Battery
Peak-Valley Storage

Liquid Cooling
Quiet & Efficient

Multi-Interface
Standard Charging

CHARGE LOW· DISCHARGE PEAK

The built-in lithium battery system chargesduring low electricity price periods and discharges at peak periods— cutting grid pressure and energy cost at the same time.

Technical Specifications

Product Model	CPCBG-105-232-120-2	CPCBG-125-261-180-2
AC Input Parameters		
Voltage Range	AC380V±15%,3P5W	
Input Current	≤225A	≤320A
Frequency	50/60Hz±5%	
ESS Parameters		
Rated Power	105kW	125kW
Battery Capacity	232kWh	261kWh
Cells & Pack	LFP 280Ah, 1P52S x 5	LFP 314Ah, 1P52S x 5
C-rate	0.5P@25°C	
Overall Efficiency	≥95%	
PF Adjustment Range	-1.0~+1.0	
THDi	≤2%(at rated power)	
Overload Capacity	110% rated, long-term	
Grid Support	L/HVRT,Active/Reactive Power Control	
EV Charger Parameters		
Rated Power	120kW	180kW
Charging Interface	Dual connectors, 5m standard cable length	
Output Voltage Range	DC200V~DC1000V, continuously adjustable	
Max Output Current	250A	
Voltage Regulation	≤±0.5%	
Current Regulation	≤±1%	
Ripple	≤1%	
Current Imbalance	≤5% （10%~100% load）	
Overall Efficiency	≥96%	
General Characteristics		
HMI	7" Touchscreen, LED, RFID, E-stop	
Communication	4G/Ethernet	
Noise Level	≤70 dB	
Cooling Method	PCS: Smart air cooling, PACK: Liquid cooling, Charging module: Smart air cooling	
Fire Suppression	Multi-sensor fire detection + Perfluorohexanone (FK-5-1-12)	
Other Sensors	Water immersion (flood), Dehumidification, Door access control	
Protection Functions		
EV Charger Protections	Input Over/Under-voltage Protection, Output Over-voltage Protection, Short Circuit Protection, Over-temperature Protection, Grounding Protection, Leakage Protection, Lightning Protection, Open-door Power-off Protection, Anti-reverse Flow Protection, Insulation Detection, DC Contactor Adhesion Detection, Battery Reverse Polarity Protection, etc.	
ESS Protections	AC Over-current Protection, AC Over-voltage Protection, AC Short Circuit Protection, Anti-islanding Protection, Leakage Protection, DC Reverse Polarity Detection, Battery Over/Under-voltage Protection, Battery Over-current Protection, Battery Over/Under-temperature Protection, Battery Excessive Temperature Difference Protection, Insulation Detection, etc.	
Environmental Conditions		
Operating Temperature	ESS: -30°C ~ 55°C (>45°C derating), EV Charger: -30°C ~ 70°C (>55°C derating)	
Relative Humidity	0%~95%RH,non-condensing	
Altitude	4000m (>2000mderating)	
Structure Description		
Dimensions (W×D×H)	2200x1453×1812 mm	2200x1453×1812 mm
Weight	≤3.50t	≤3.70t
Protection Rating	IP54	

Energy storage & charging systems·since 2014

CPCBG Mobile Energy Storage Charging Station

Real CPCBG listings covering all-in-one and mobile storage-and-charging systems.

CPCBG-200-436-240-1

200kW/436kWh-240kW/1

kW DC OUTPUT RANGE

200kw energy storage,436kWh battery and 240kW
fast charging in one mobile station- peak-shaving, valley-filling and PV access for green,low-cost charging anywhere.

- Modular design,flexible configuration, and reliable operation
- Intelligent liquid cooling, precise control, quiet and efficient
- IP54 protection rating, suitable for complex and variable outdoor environments
- Lithium battery capacity expansion, relieving grid pressure
- Peak-shaving and valley-filling, reducing operating costs
- Photovoltaic access, making full use of green energy
- Supports open communication protocols
- Supports multi-standard charging interfaces

200 KW
ESS Rated Power

436 kWh
LFP Battery

240 KW
EV Fast Charging

IP54
Outdoor Ready

Mobile Energy Storage Charging Station

Modular design, flexible configuration, and reliable operation

Intelligent liquid cooling, precise control, quiet and efficient

IP54 protection rating, suitable for complex and variable outdoor environments

Lithium battery capacity expansion, relieving grid pressure

Peak-shaving and valley-filling, reducing operating costs

Photovoltaic access, making full use of green energy

Supports open communication protocols

Supports multi-standard charging interfaces

Technical Specifications

Product Model	CPCBG-200-436-240-1
AC Parameters	
Rated Power	200kW
Rated Voltage	AC380V,3W+N+P
Voltage Deviation	±15%
Grid Frequency	50±2Hz
PF Adjustment Range	-0.9 ~+0.9
Overload Capacity	110%: Continuous; 120%: 10 min
Battery Parameters	
Battery Capacity	436kWh
Rated Voltage	768VDC
Voltage Range	648~864VDC (Cell: 2.7~3.6V)
Cell & C-rate	285Ah@1C
Thermal Management	PACK Liquid Cooling, PCS Intelligent Air Cooling
Charging Pile Parameters	
Output Voltage	200~1000VDC(Continuous)
Output Current	0~300A (Continuously adjustable)
Charging Power	0~240kW (Continuously adjustable)
Thermal Management	Intelligent Air Cooling
System Parameters	
Max System Efficiency	≥96%
Dimensions (W×D×H)	2991×2400×2590 mm
Operating Temperature	-20~+45℃
Relative Humidity	0%~95%RH (Non-condensing)
Max Altitude	3000m
Communication Interface	RS485,CAN,4G,LAN

Energy storage & charging systems·since 2014

DONG LI

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