Eplvs

Energize the world

Official Accounts | Video Channel | TikTok account | Little Red Book

Eplvs
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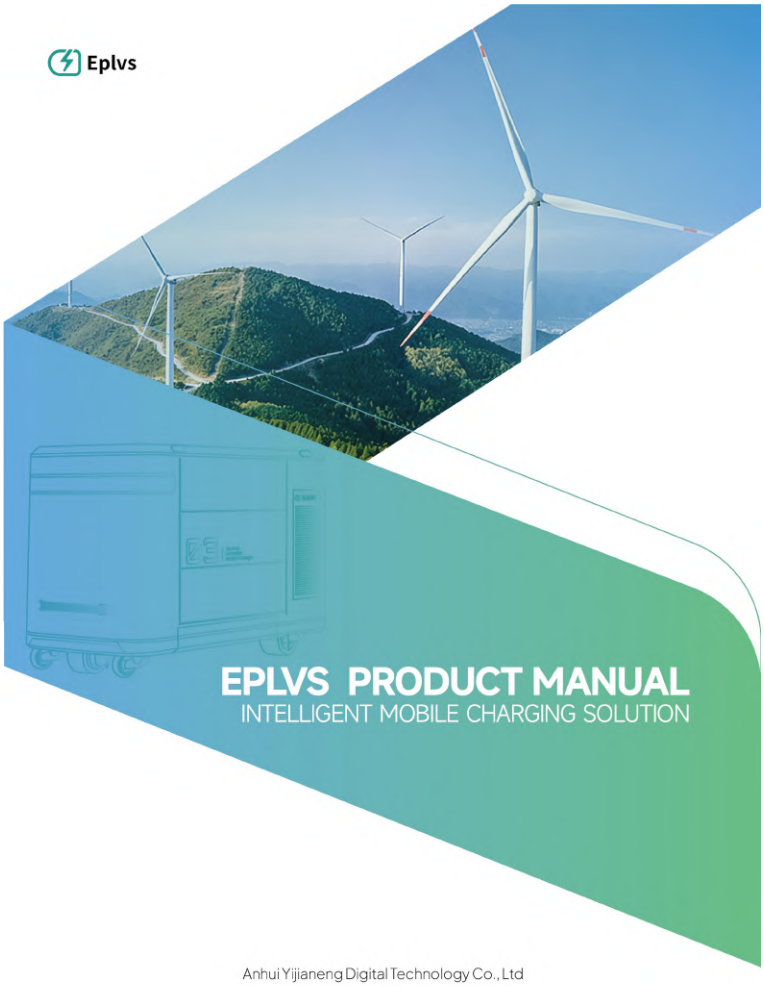

EPLVS PRODUCT MANUAL

INTELLIGENT MOBILE CHARGING SOLUTION

Anhui Yijianeng Digital Technology Co., Ltd

PRODUCT-ORIENTED TALENT-BASED USER-FIRST

AN HUI YIJIANENG DIGITAL TECHNOLOGY CO., LTD.

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ABOUT US

2021
Founded in 2021
Anhui Yijianeng Digital Technology Co., Ltd.

1
China's First Intelligent Mobile Charging Solution Provider

15000,0000+
Registered capital: 150 million RMB

100+
Covering more than 100 cities nationwide

Ahhui Yijianeng Digital Technology Co., Ltd. was founded in 2021. It is a globally leading technology company specializing in mobile energy storage and charging.The company is committed to the R&D, design, manufacturing and sales of the entire industrial chain of mobile energy storage and charging equipment.

The independently developed Eplvs Intelligent Mobile Charging Pile features outstanding performance and stable operation. It has been widely applied in global electric vehicle supplementary energy supply, outdoor operation power supply, emergency support for large-scale events, temporary charging services in commercial districts and other fields.The company provides customers with efficient and reliable customized power replenishment solutions, winning unanimous recognition from the market and users.

At present, the company's products have been deployed to China, Europe, Africa, the Americas, the Middle East, Southeast Asia and other regions.It is the world's first and market-leading comprehensive solution provider and operator covering mobile charging, distributed energy storage, digital energy and other fields.Guided by its mission "ENERGIZE THE WORLD", the company will work with global partners to build a better and greener energy future.

PATENT DISPLAYS

Honors & Qualification

- CMA Testing & Certification
- ilac-MRA Testing & Certification
- CNAS Testing & Certification
- A total of 50 authorized software copyrights
- Authorized patents: 67 in total
- Key Enterprise in Hefei Industrial Chain Enterprise
- Top 10 Technological Innovation Award in China's EV Charging & Swapping Industry
- Included in the 2025 Anhui Provincial Safety and Emergency Products Information Database

SERIES A | AUTONOMOUS MOBILE CHARGER

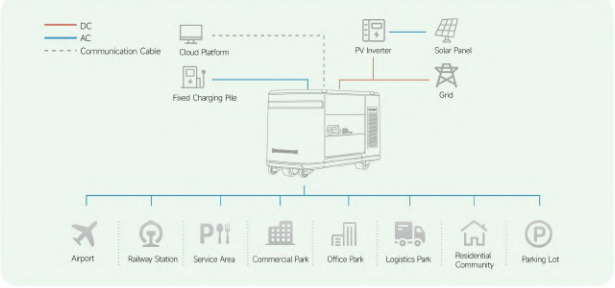
Smarter
Autonomous driving
Unmanned operation
Reduces costs

Safer
Multi-stage thermal management
Hierarchical protection

Ultra-fast Charging
150kW output
SiC Technology

Visualization
Real-time data
System OTA update

The company's independently developed autonomous mobile charger is an innovative product integrating autonomous navigation, automatic obstacle avoidance, energy storage and charging.It can drive autonomously, park accurately and operate unattended, flexibly providing intelligent energy replenishment services for electric vehicles.Equipped with LiDAR and intelligent path planning algorithms, the product features 150kW high-efficiency fast charging, flexible charging and peak shaving & valley filling technologies.With multiple active safety protections, it greatly reduces manual intervention, improves energy replenishment efficiency and lowers operatin costs.According to different scenarios such as parking lots and highways, as well as customer requirements, it can provide customized intelligent charging and emergency power supply solutions.



Product Specifications

Item	Parameter
Device Dimensions (mm)	990L* 2270W * 1380H
Weight (kg)	2300
Max Obstacle Clearance (mm)	70
Rated Capacity (kWh)	209
Ambient Temperature (°C)	-20 ~ 45
Battery Rated Voltage (V)	665.6
Protection Class	IP54
Rated Output Power (kW)	150
Charging Voltage Range (Vdc)	200-1000
Max Charging Current (A)	250
Max Speed (km/h)	5
Communication Mode	CAN 4G
Altitude (m)	≤2000
Max Climbing Gradient	8%
Detection Distance (m)	50
Positioning Accuracy (cm)	±3
Minimum Detectable Obstacle Size (cm)	25*25*25

SERIES G | G3 SMART MOBILE CHARGER

Safe
Multiple protection measures ensure stable operation with proactive protection

Innovation
From "cars hunt for chargers" to " chargers go to cars"

Flexibility
Flexible deployment and easy operation

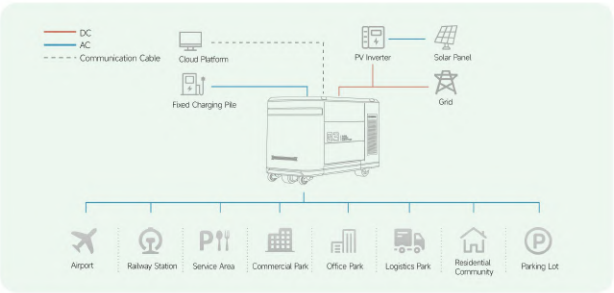
Ultra-fast Charging
High-rate, high-power charging

Transform
Disrupting the Time-space Concept of Charging

Energy Storage
Peak cut
small-scale energy storage stations

Intelligence
Smart devices, remote operation managemen

The independently developed G3 mobile charger is an innovative product integrating energy storage and charging. It can move freely and flexibly, providing fast charging services for electric vehicles anytime and anywhere.
With a complete intelligent management system, the G3 delivers more refined services for operation and users, maximizes user experience, improves operation efficiency, and reduces operating costs. It can provide targeted application solutions according to different customer needs.



Product Specifications

Item	Parameter
Device Dimensions (mm)	2270L* 990W * 1380H
Weight (kg)	2300
Max Obstacle Clearance (mm)	70
Rated Capacity (kWh)	209
Ambient Temperature (℃)	-20 ~ 45
Battery Rated Voltage (V)	665.6
Protection Class	IP54
Rated Output Power (kW)	150
DC Output (Vdc)	200-1000
Max Charging Current (A)	250
Max Speed (km/h)	5
Cell Chemistry	LFP
Altitude (m)	≤2000
Max Climbing Gradient	8%
Cooling Method	Natural cooling

SCAN TO VIEW THE OPERATION

SERIES G | G2 SMART MOBILE CHARGER

Innovation
From "cars hunt for chargers " to "chargers go to cars"

Flexibility
Flexible deployment, easy operation

Safety
Multiple protection measures
Stable operation with active protection

Energy Storage
Peak shaving & valley filling
Compact energy storage station

Product Specifications

Item	Parameter
Device Dimensions (mm)	2100L* 1060W * 1445H
Weight (kg)	2100
Maximum Obstacle Clearance (mm)	70
Rated Capacity (kWh)	184
Ambient Temperature (℃)	-20 ~ 45
Battery Rated Voltage (V)	614.4
Protection Class	IP54
Rated Output Power (kW)	60
DC Output (Vdc)	200-750
Maximum Charging Current (A)	150
Maximum Speed (km/h)	5
Cell Chemistry	LFP

SERIES C
FIXED ENERGY STORAGE & CHARGING PRODUCT - 90KW 157KWH

Lightweight & Compact
Light Design
Adaptable to cargo box
Infrastructure-free
Flexible Deployment

Intelligent Safety
Intelligent management
QR code access
Remote monitoring & power adjustment.
Three-level protection

Efficient Charging
150kW fast charging
Serve 3-4 vehicles
Compatible with multiple vehicle models.

Easy Operation
Supports AC/DC supplementary power and DC charging. Plug and play

Product Specifications

Item	Parameter
Device Dimensions (mm)	2270L* 990W * 1375H
Display Mode	Optional 7-inch touchscreen
Output Port	1*CCS 2 DC
Rated Capacity (kWh)	209kWh
Ambient Temperature (℃)	-20 ~ 45
Rated Output Power (kW)	150
Protection Class	IP54
Max AC Input Power (kW)	35
Max DC Input Power (kW)	105
Output Voltage (Vdc)	200 ~ 1000
Output Current (A)	0~200
Cooling Method	Natural cooling I Liquid cooling (optional)

SERIES C
FIXED ENERGY STORAGE & CHARGING PRODUCT - 120KW 209KWH

Flexible Scenarios
Light Design
Adaptable to cargo box
Infrastructure-free
Flexible Deployment

Intelligent Safety
Intelligent management
QR code access
Remote monitoring & power adjustment.
Three-level protection

High-Efficiency Fast Charging
90kW fast charging
Serve 3-4 vehicles
Compatible with multiple vehicle models.

Easy Operation
Standard industrial sockets
Compatible with AC/DC supplementary-power
AC discharge, DC charging

Product Specifications

Item	Parameter
Device Dimensions (mm)	1590L* 995W * 1430H
Display Mode	Optional 7-inch touchscreen
V2G Power (kW)	30
Rated Capacity (kWh)	209
Ambient Temperature (°C)	-20 ~ 45
Rated Output Power (kW)	120
Levels of Protection	IP54
AC Input Power (kW)	30
DC Input Power (kW)	100
Charging Output Voltage (Vdc)	200 ~ 1000
Charging Output Current (A)	0~250
Cooling Method	Natural cooling I Liquid cooling (Optional)

SERIES C
FIXED ENERGY STORAGE & CHARGING PRODUCT - 320KW 844KWH

User-friendly
Plug and Play
Infrastructure-free
V2G

Lightweight and flexible
Easy Transportation & Deployment
Supports both AC and DC sides

Smart and friendly
120kW fast charging
Optional battery liquid cooling

High voltage platform
1000V DC platform
Compatible with 400/500V-vehicles
Serve all type vehicles

Product Specifications

	Item	Parameter
DC Side	Rated Capacity (kWh)	844
	Nominal Voltage (Vdc)	704
	DC Discharge Power (kW)	320 (dual connectors)
	DC Charging Power (kW)	2X180kW
	Discharge Voltage Range (Vdc)	200~1000Vdc
	Charging Voltage Range (Vdc)	616~792Vdc
AC Side	Rated Power (kW)	100kW
	Rated Voltage (Vac)	400Vac
	Rated Current (A)	144A
	AC Configuration	Three-phase four-wire + PE
System Parameters	Operating Temperature Range	-20~45°C
	Protection Class	IP54
	Fire Protection System	Novec 1230 / Aerosol
	Size (mm)	4000L * 2438W * 2896H
	Weight (kg)	14000
	Communication Methods	CAN RS485 Ethernet 4G

SERIES C | DUAL-PORT 320KW/522KWH

Multi-energy Complementary
Charge 10 mins, drive 100 km
360kW peak power AC/DC & PV multi-energy compatible

Grid Dynamic Capacity Expansion
Reduce transformer load
Grid-free
Boost charging power
Cut investment & costs

Advanced Safety Protection
Multi-level temp monitoring
Multi-layer fusing
Multi-layer fire protection

Smart Energy Management
Intelligent energy flow scheduling
Integrated peak shaving,
VPP

Product Specifications

Item	Parameter
Output Power (kW)	DC 360kW (CCS2) AC 44kW
Output Voltage	DC 200~ 1000V AC 400V
Size (mm)	2530L* 2360W * 1450H
Weight (kg)	5000
AC Input	Max110kw 160A 3ph (50Hz) DT connection
AC Output	63A cee-3ph
Charging Connector Output	MAX 380A CCS2*5m*2
Standard Energy Capacity (kWh)	522
Cooling Method	Liquid cooling
Operating Temperature Range (°C)	-25 ~ 45
Altitude (m)	<2000
Enclosure Protection Rating	IP54
HMI Interface	10.1-inch
Compliance Standards	IEC62619, 1EC61851

OTHER PRODUCTS - 120KW AC INVERTER UNIT

High-Efficiency Energy Conversion
Excellent energy utilization
Emergency rescue

Multi-functional Adaptation
On-grid & Off-grid
Multi-scenario power supply

Safety and Stability
Superior AC safety
Built-in over-voltage & over-current protection
Stable long-term operation

Economic and Environmental Protection
Compact structure
Low failure rate
Low maintenance cost
High efficiency

Product Specifications

Item	Parameter
DC Input Voltage Range (Vdc)	650 ~ 1000
DC Input Power (kW)	120
Number of Input Circuits	1
Max DC Input Current (A)	220
AC Output Voltage (Vac)	380
AC Output Current (A)	190
AC Output Voltage Frequency (Hz)	50/60
Power Factor (kW)	≥0.99 @50% ~ 100%output power
Total Current Harmonic Distortion	≤3% @50% ~ 100%full-load output power
Display Mode	7-inch touchscreen
System Protection	Overtemperature, over-voltage, over-current, short-circuit protection,etc.
Ambient Temperature	-20~45°C

Platform Advantages

Intelligent Cloud Platform

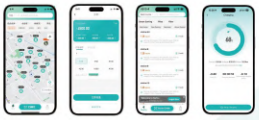
Equipment Supervision
- Intuitive device layout
- Real-time monitoring of device status

Operating Receipt
- Real-time charge and discharge statistics
- Revenue updates in real time

Interconnection and Interworking
- Standard protocol interfaces
- Flexible platform integration

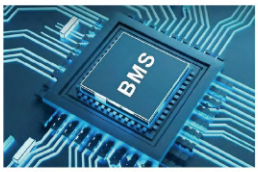
Health Status
- Real-time monitoring of alarm data
- Analysis of Battery Health Status Diagnosis

Multi-terminal and Multi-system Compatible Adaptation



- **Full System Compatibility:**
  Supports native applications for iOS, Android and HarmonyOS.
  Also compatible with WeChat/Alipay mini-programs, no download required, ready to use by scanning the code.
- **One-Click Order via QR Code:**
  Scan the QR code on the vehicle and select the charging mode.
  Confirm payment and start charging with one click

BMS Full Life Cycle Monitoring



- Real-time monitoring of battery status to ensure safe operation.
- Intelligent early warning for abnormalities extending battery service life.
- Full-cycle data traceability, precise fault location.

Intelligent Scheduling Platform

Intelligent Scheduling & Automatic Vehicle Navigation:
Users scan the code to make an appointment; the system automatically plans the optimal path and accurately locates vehicles. Vehicles awaiting energy replenishment automatically dock to the charging position.

- **Autonomous Obstacle Avoidance & Safety Escaping:**
  Real-time recognition of pedestrians, vehicles and various obstacles. Easily handles complex road conditions such as sunken roads and slight slopes, with autonomous escaping capability.
- **Remote Monitoring & Active Intervention:**
  Supports real-time cloud monitoring of equipment status and automatic alarms for abnormal conditions.
  Enables remote takeover and control..

Intelligent Timed Recharge Management

Customizable Multi-period Automatic Start & Stop

- Charges and stops automatically at set times, convenient and hassle-free.
- Compared with manual charging, timed automatic charging avoids missed or wrong charging Costs reduced by 25%, comprehensive operating costs decreased by 40%, supporting profitable modular operation.

Global Equipment Layout

GERMANY PARKING LOT ENERGY SUPPLY SOLUTION

Authorized European Certification & Safety & Environmental Protection
Fully certified under the European core system, meeting market access requirements of 27 EU member states and Germany.
Compliant with RoHS environmental directives and ISO 21448 functional safety standards, with multiple protections against overcharge, over-temperature, short circuit, etc.

Flexible Deployment & Multi-Vehicle Compatibility
No need to renovate parking lots, flexible layout and parking. 60–150kW adaptive power compatible with mainstream electric vehicles in Europe. AC/DC dual ports, adapting to 99% of European charging protocols.

Morocco

Slovakia

Thailand

SPECIAL APPLICATION FOR US ROADSIDE ASSISTANCE

Transport & Rapid Deployment
Mounted on rescue vehicles, covering highways, rural roads and other sections.

Large-Capacity Energy Storage & High-Efficiency Charging
Energy storage capacity: 209kWh, charging power: 60–150kW

Local Compliance & Low-Cost Operation
Compliant with US FMCSA road operation standards and UL safety certification

MALAYSIA TRUCK FLEET ENERGY REPLENISHMENT SOLUTION

Full-Scenario Mobility & Breaking Free from Charging Station Limits
No fixed charging piles required.
Dynamic deployment with the fleet, and on-demand energy replenishment at non-pile operation sites.

Local Weather Resistance & Low-Cost Operation
IP54 dust and water resistance, high-temperature resistance and adaptation to humid and hot conditions. Eliminating the construction cost of fixed piles.

China Equipment Layout

COMMUNITY: CHENGDU CHARGING STATION

Flexible deployment, community-adaptable
No road damage, no green space destruction, no fixed parking space occupation, dynamic allocation

Intelligent, convenient, cost-effective
Scan to charge via Mini Program / APP
Prices 20%–30% lower; recharge packages available for more savings

Peak-valley arbitrage, unattended operation
Large-capacity energy storage: charge at valley price, supply power at peak / feed back to grid
Remote monitoring + automatic settlement

SCENIC SPOT: SHENZHEN NORTH STATION CHARGING STATION

Ecological deployment, multi-vehicle compatible
Flexible parking without occupying fixed land.
60–120kW adaptive power, compatible with private cars, sightseeing vehicles and scenic working vehicles.

Intelligent, convenient & emergency response
Scan to charge via Mini Program, easy invoicing;
One- click call supported, fast response to temporary charging needs. Quiet & safe, ideal for scenic areas.

Low noise, no disturbance to the environment
IP54 protection + multiple electrical safety protections

SHOPPING MALL: HEFEI CHARGING STATION

Flexible deployment to fill charging gaps
No power renovation or wiring required
Dynamically deployed according to mall traffic quickly compensating for insufficient fixed piles

Large-capacity energy storage, efficient charging
209kWh energy storage, supports 5-8 vehicles per charge
60–120kW fast charging

Emergency support, low-cost operation
Can be used as emergency power supply with flexible allocation Reduces mall charging infrastructure and operating costs

PARK: JIANGSU E-CHARGING STATION

Scheduled charging, adapted to operation rhythm
Supports preset charging time & automatic power-off, ensuring vehicles fully charged and on standby

Peak-valley arbitrage, cost reduction & revenue increase
Large-capacity energy storage: charging at off-peak, supplying at peak, optimizing electricity cost

Safe & eco-friendly, suitable for parks
Multiple electrical protections, IP54 rating, low noise & eco-design adaptable to various park scenarios

HIGHWAY SERVICE AREA: ANHUI CHARGING STATION

Flexible Deployment to Fill Charging Gaps
No power renovation, no wiring required; dynamically deployed according to traffic flow. Provides on-site emergency charging for remote service areas.

Large-capacity Energy Storage, High-efficiency Charging
209kWh energy storage, supports 3–5 electric vehicles per charge.
60–120kW charging power, adds 300km range in 30 minutes.

Emergency Support, Low-cost Operation
Can be used as emergency power supply, flexibly deployed across service areas.

Partners for Win-Win Cooperation

Seize Market Opportunities Together

Amid the booming development of the electric vehicle market, the demand for intelligent charging solutions is growing rapidly. Eplvs is willing to join hands with partnersto seize market opportunities, lead industry trends.

Collaborative Empowerment

300+
Partner Enterprises

35000000+
Cumulative Discharge Capacity

Green Performance

30,00000+
Cumulative Users Served

80000 Tons+
CO_2 Emission Reduction Achieved

*Data as of the end of 2025