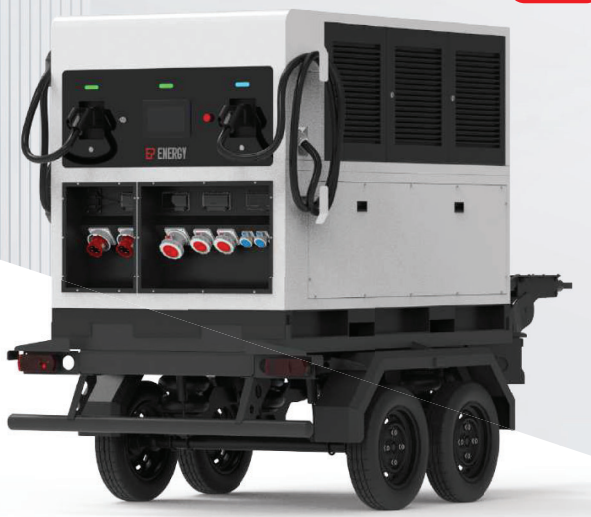
EPPS210-M

240kW 210kWh Mobile Storage Charging Station
For Transportable Power in Dynamic Environments

NEW



Easy Mobility
Easily towable and rapidly deployable across multiple locations and terrains

All-in-One Energy Hub
Integrated charging, storage, and output for every load type

Quick Charging
Gets over 110km of range with 5 minutes of charging

Smart Management
Manages seamlessly with a smart cloud and human-computer interface

MOBILE ENERGY SOLUTIONS
COMMERCIAL OFF-GRID CHARGING

EPPS210-M

240kW 210kWh Mobile Storage Charging Station

AC Input Parameters	
Rated Voltage	400 Vac, 3W+N+PE
Nominal Grid Frequency	50/60 Hz
Max. Power	86 kW
Max. Current	125A
THD-I	<3%
Input Socket	CEE Socket

DC Input Parameters	
Nominal Voltage	695.5 V
Voltage Range	540 Vdc ~ 788.4 Vdc
Max. Power	160 kW

DC Output Parameters	
Max. Output Power	200 kW(Off-Grid) / 240 kW(On-Grid)
Output Voltage Range	200 Vdc ~ 1,000 Vdc
Max. Current	250A Max.
Charging Connector Type	2 * CCS2
Output Start Time	3~8 s

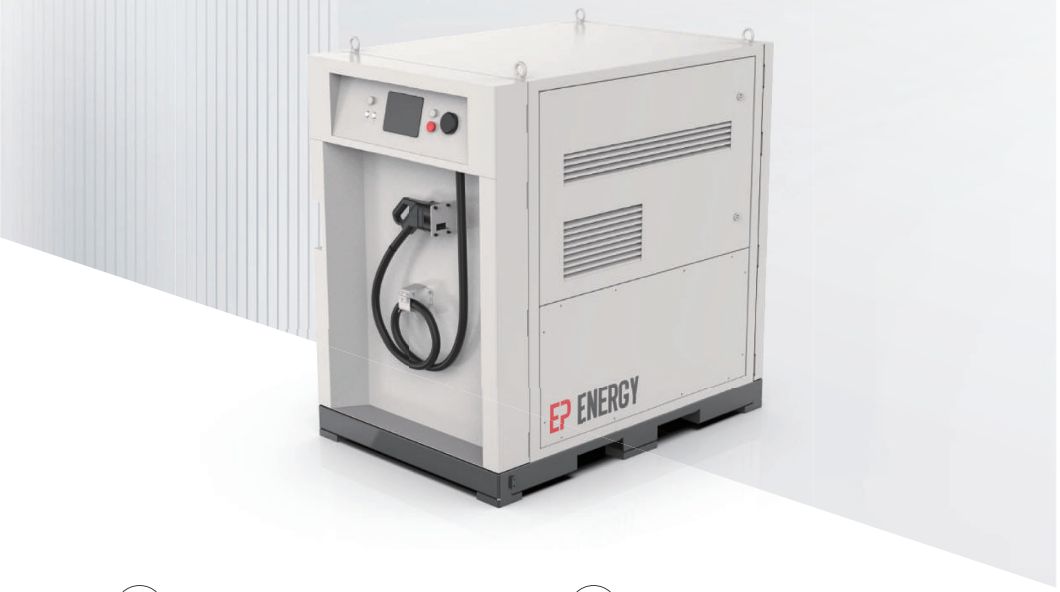
AC Output Parameters			
Output Socket Type	CEE Socket	CEE Socket	Type E
Rated Voltage	400 Vac	400 Vac	230 Vac
Max. Output Power	86 kW	44 kW	3.7 kW
Max. Output Current	125 A	63 A	16 A
Socket Count	1	2	3

General Parameters	
Nominal Energy	210 kWh
Nominal Cell Capacity	304 Ah
Cell Type	LFP
Altitude	<2,000 m. Derating Above 2,000 m
Operating Relative Humidity	5 ~ 95%RH. No Condensation
Operating Temperature Range	-20 ℃ ~ 60 ℃
Thermal Management Mode	Liquid Cooling & Heating
Ingress Protection	IP55
Anti Corrosion Grade	C4
Dimension(W*D*H), without trailer	1,405 mm*2,450 mm*1,650 mm
Dimension(W*D*H), with trailer	1,940 mm*3,672 mm*2,250 mm
Weight	~2,600 kg

New product, specifications subject to change

EPPS93-M

60kW 93kWh Liquid Cooling Mobile Power Unit
For Comprehensive Off-grid Power Supply



All-in-One

· Highly integrated battery inverter, ESS, fast charge input, EV charger, liquid cooling, optional solar inverter system in a compact cabinet
· Multiple usage scenarios

Robustly Designed

· 8mm steel galvanized cold rolled coil chassis
· 4mm 360° full body protection
· Automotive-grade waterproof components

High Performance

· High quality LFP cells
· Up to 60kW DC charge output
· Broad temperature range for use

Off-grid AC Output

· Energy independent for household
· Up to 33kVA AC output for use
· Single and three phase sockets availablity

MOBILE ENERGY SOLUTIONS
COMMERCIAL OFF-GRID CHARGING

AC Input Parameters	
Rated Voltage	400 Vac, 3W+N+PE
Nominal Frequency	50 Hz
Rated Charging Power	30 kW
Input Socket	CEE Socket 125A
THD-I	<3%

* 30 kW refers to the maximum charging power to the battery. When supplying bypass load simultaneously, the actual input power may exceed 30 kW depending on load demand.

DC Input Parameters		
Nominal Voltage	332.8 V	
Voltage Range	260 Vdc ~ 379.6 Vdc	
Max. Current	168 A	
Max. Power	60 kW	
DC Input Socket	GB/T Socket	CCS2 Socket

PV Input Parameters (Optional)	
Max. Power	30 kW
MPPT Voltage Range	150 Vdc ~ 425 Vdc
Max. PV Input Current	84 A
MPPT Trackers/ Strings	2/4
PV Input Socket	4 x MC4

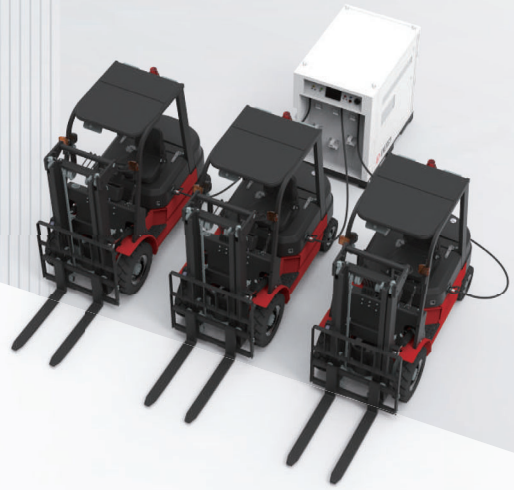
DC Output Parameters		
Product Model	EPPS93-M(GB/T)	EPPS93-M(CCS2)
Max. Output Power	60 kW	60 kW
Output Voltage Range	150 Vdc ~ 1,000 Vdc	150 Vdc ~ 1,000 Vdc
Max. Current	200 A	200 A
Output Plug	GB/T Plug	CCS2 Plug

AC Output Parameters		
Rated Voltage	230 Vac	400 Vac
Max. Output Power	33 kVA	
Max. Output Current	16 A	47 A
Output Socket	2 * Type E	CEE Socket 63A

General Parameters	
Nominal Energy	93 kWh
Usable Energy	84 kWh
Cell Type	LFP
Altitude	<2,000 m. Derating Above 2,000 m
Operating Relative Humidity	5 ~ 95%RH. No Condensation
Operating Temperature Range	-20 ℃ ~ 50 ℃. Derating Above 45 ℃
Thermal Management Mode	Liquid Cooling & Heating
Rated Cooling Input Power	3 kW
Ingress Protection	IPX4
Anti Corrosion Grade	C4
Dimension(W*D*H)	1,600 mm*1,100 mm*1,580 mm
Weight	~1,500 kg

EPPS93-LV

60kW 93kWh Liquid Cooling Mobile Power Unit
For Industrial Vehicles' DC Fast Charge Under Grid Constraints



Range Extension

· Extend Industrial Vehicles' working hours in facilities with limited power supply

Power Amplifier

· Amplify grid charging capability DC fast charging up to 60kW by storing energy at a lower power especially in areas where power is limited

Profit Arbitrage

· Store energy during off-peak hours
· Release energy during peak hours

Easy Deployment

· Highly integrated with compact design
· Highly mobile for optimized use

MOBILE ENERGY SOLUTIONS
COMMERCIAL OFF-GRID CHARGING

AC Input Parameters	
Rated Voltage	400 Vac, 3W+N+PE
Voltage Range	260 Vac ~ 485 Vac
Nominal Grid Frequency	50/60 Hz
Max. Power	20 kW Adjustable
Max. Current	32 A
System Voltage Format	TT/TN-S/TN-C/TN-C-S
Power Factor	≥0.98
Total Harmonic Distortion(THDi)	≤5%
Full-load efficiency	≥94% @ 25℃
Input Socket	32A 5-Pin 3-Phase Industrial Socket

DC Input Parameters	
Nominal Voltage	332.8 V
Voltage Range	260 Vdc ~ 379.6 Vdc
Max. Current	168 A
Max. Power	60 kW
DC Input Socket	GB/T Socket

Output Parameters		
Output Plug Model		REMA DIN 320A
Plug Count		3
Output Parameter	Voltage Range	40 ~ 120 Vdc
	Max. Current	200A
Rated Power		60kW
Cable Length		3 m

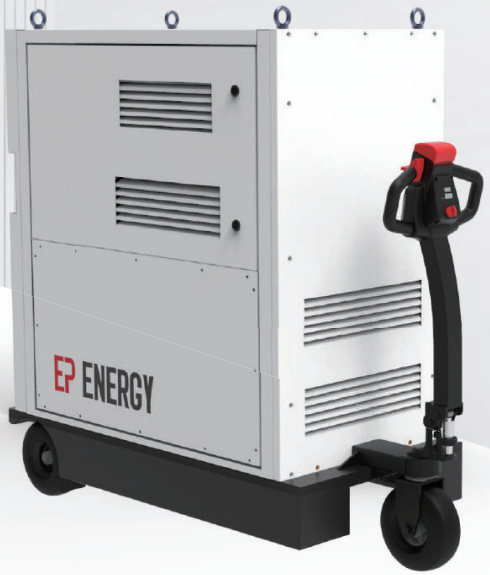
General Parameters	
Nominal Energy	93 kWh
Usable Energy	84 kWh
Cell Type	LFP
Altitude	<2,000 m. Derating Above 2,000 m
Operating Relative Humidity	5 ~ 95%RH. No Condensation
Operating Temperature Range	-20 ℃ ~ 50 ℃
Thermal Management Mode	Liquid Cooling & Heating
Rated Cooling Capacity	3 kW
Ingress Protection / Anti Corrosion Grade	IPX4 / C4
Dimension(W*D*H)	1,600 mm*1,100 mm*1,580 mm
Weight	~1,500 kg

Protection	
Phase-Lacking Fault Protection	YES
Over/Under-Voltage Protection	YES
Over-Current Protection	YES
Over-Temperature Protection	YES
Short-Circuit Protection	YES

EPPS40-AC

30kW 40kWh Air Cooling Mobile Power Unit
For Transportable Power in Dynamic Environments

NEW



Easy Mobility
Electric-driven wheels with steering—reposition the unit effortlessly anywhere on site

Flexible Loads
Dual type sockets configurable output power to run any combination of loads

Rugged Design
IP54, C4 corrosion protection and −20 °C to 50 °C operation, built to withstand the harsh outdoor conditions

Smart Management
Manages seamlessly with a smart cloud and human-computer interface

MOBILE ENERGY SOLUTIONS
COMMERCIAL OFF-GRID CHARGING
30kW 40kWh Air Cooling Mobile Power Unit

EPPS40-AC

AC Input Parameters	
Rated Voltage	400 Vac, 3W+N+PE
Nominal Grid Frequency	50/60 Hz
Rated Power	33 kW Adjustable
Max. Current	48 A
System Voltage Format	TT/TN-S/TN-C/TN-C-S
Power Factor	1 (- 0.8 ~ + 0.8) Adjustable
THDi	< 3%
Input Socket	5-Pin 3-Phase Industrial Socket

AC Output Parameters		
Output Socket Type	CEE Socket	Type G
Rated Voltage	400 Vac	230 Vac
Max. Output Power	30 kW	10 kW
Max. Output Current	43 A	13 A
Socket Count	1	3

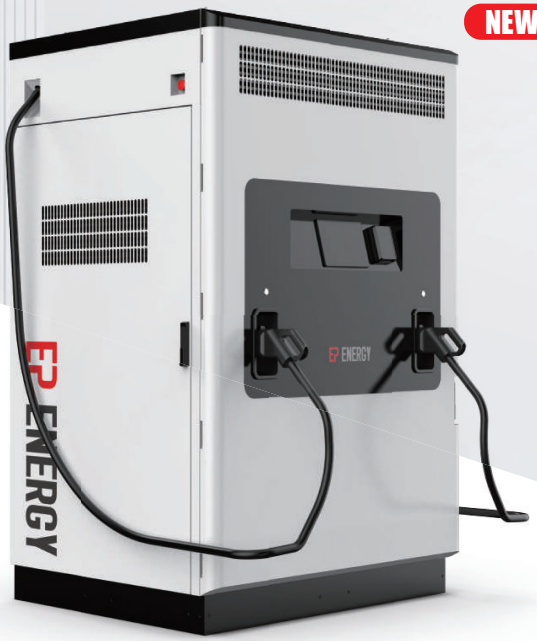
General Parameters	
Nominal Energy	40 kWh
Usable Energy	36 kWh
Cell Type	LFP
Travel Speed	4 km/h
Drive Motor Rated	0.75 kW
Altitude	<2,000 m. Derating Above 2,000 m
Operating Relative Humidity	5 ~ 95%RH. No Condensation
Operating Temperature Range	-20 ℃ ~ 50 ℃
Thermal Management Mode	Air Cooling
Ingress Protection	IP54
Anti Corrosion Grade	C4
Dimension(W*D*H)	1,550 mm*700 mm*1,650 mm
Weight	~800 kg

Protection	
Phase-Lacking Fault Protection	YES
Over/Under-Voltage Protection	YES
Over-Current Protection	YES
Over-Temperature Protection	YES
Short-Circuit Protection	YES

New product, specifications subject to change

EPCS209

230kW 209kWh Liquid Cooling All-in-One Storage Charging Station



Battery-Integrated DC Fast Charger

Up to 240kW
or 2x120kW fast charging

Up to 209kWh
battery capacity

200-1000Vdc
output Voltage

Ca. 5 minutes of
chargingfor over 100 km of driving

MOBILE ENERGY SOLUTIONS
COMMERCIAL OFF-GRID CHARGING

EPCS209
230kW 209kWh Liquid Cooling Storage Charging Station

AC Input	
Grid Voltage	3 / N / PE, 380 Vac / 400 Vac (± 10 %)
Grid Frequency	50 / 60Hz
Rated Power	60kW
Max. Current	90 A
Power Factor (>50% Load)	⩾ 0.99
THDI (>50% Load)	< 5%
Earthing System	TN-S/TT

DC Output	
Output Voltage Range	200~1000VDC
Max. Output Power	240kW or 2x120kW @ On-Grid190kW or 2x85kW @ Off-Grid
Output Current	Max.300A

Battery Parameters	
Battery Cell Type	LFP,314 Ah
Operating Voltage Range	562 ~ 749 Vdc
Nominal Energy	209 kWh
Depth of Discharge	0 ~ 95%
Max. Charge/Discharge Rate	0.5 C/1C

EV Charging	
Connector Type	Dual (CCS2 + CCS2)
Cable Length	5 m (standard)

User Interface	
Display	10-inch color touch screen
Support Language	English (standard) Other languages available by firmware upgrade
User Authentication	Plug & play / Auto-charge (standard) RFID-card / Debit or credit-card (optional)
Energy Metering	MID-certified meter integrated
Communication Interface	Ethernet / RS485 / 4G
Communication Protocol	OCPP 1.6 JSON, OCPP 2.1 (Can Be Upgraded Later)

General Data	
Dimensions(WxDxH)	1412 x 1205 x 2247 mm
Weight	~2500kg
Protection Type and Class	IP55; IK10, HMI unit IK8.5
Operating Temperature	-20~+ 50 °C
Humidity	5% ~ 95%RH,non-condensing
Altitude	⩽2000m
Cooling Ethod	Liquid Cooling & Forced Air
Noise (Typical)	⩽65dB @ 1m & Norminal load
Installation Method	Floor mounted
Emergency Stop	Yes

New product, specifications subject to change

MOBILE ENERGY SOLUTIONS
COMMERCIAL OFF-GRID CHARGING

EPCS220-1980D

Distributed Storage Charging System

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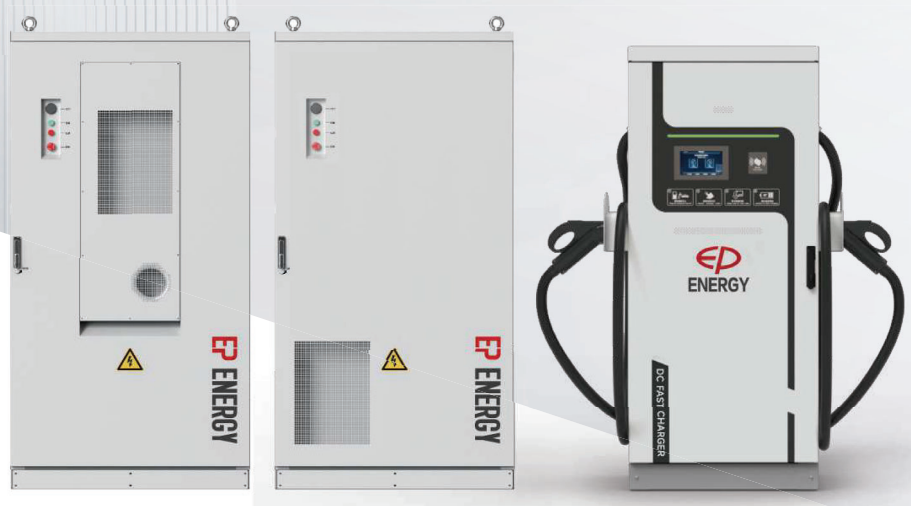

High Efficiency

Intelligent power distribution to meet diverse EV charging needs.
Supports EMS dynamic power control.

Reliable Safety

Reliable operation with multi-level fault protection.
Cable management system for enhanced user experience.

Smart Design

OCPP 1.6J protocol for third-party platform access.
Multiple network options: Ethernet, Wi-Fi, 4G.
7-inch high-contrast LCD smart HMI.

Flexible Adaptability

Scalable, lightweight, and easy to install in varied locations.
200–1000V voltage range covers all main-stream charging scenarios.

EPCS220-1980D

AC Input	
Grid Voltage	3 / N / PE, 380 Vac / 400 Vac (± 10 %)
Grid Frequency	50 / 60Hz
Rated Power	125~1000kW, Scalable
Max. Current	180~1443A, Adjustable
Power Factor (>50% Load)	⩾ 0.99
THDI (>50% Load)	< 5%
Earthing System	TN-C/TN-S/TT

DC Output	
Output Voltage Range	200~1000VDC
Max. Output Power	120kW/240kW/400kW Optional
Output Current	Max.300A

Battery Parameters	
Battery Cell Type	LFP,314 Ah
Operating Voltage Range	616 ~ 792 Vdc
Nominal Energy	220/440/660/880/1100/1320/1540/1760/1980 kWh
Depth of Discharge	95%
Max. Charge/Discharge Rate	0.5 C/0.5 C

EV Charging	
Connector Type	Dual (CCS2 + CCS2)
Cable Length	5 m (standard)
Cable management system	Optional

User Interface	
Display	7-inch color touch screen
Support Language	English (standard) Other languages available by firmware upgrade
User Authentication	Plug & play / Auto-charge (standard) RFID-card / Debit or credit-card (optional)
Energy Metering	Meter integrated
Communication Interface	Ethernet / 4G
Communication Protocol	OCPP 1.6 JSON, OCPP 2.0.1 (Can Be Upgraded Later)

General Data	
Dimensions(WxDxH)	Different According to Project
Weight	Different According to Project
Protection Type and Class	IP55; IK10, HMI unit IK8.5
Operating Temperature	-20 ~ +50 °C
Humidity	5% ~ 95%RH,non-condensing
Altitude	⩽2000m
Cooling Ethod	Intelligent Air Cooling
Noise (Typical)	⩽65dB @ 1m & Norminal load
Installation Method	Floor mounted, Container (Optional)
Emergency Stop	Yes
Efficiency	⩾ 95%, Peak ⩾97%

New product, specifications subject to change