

EPPS93-DC

EP ENERGY

**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

AC Input Parameters	
Rated Voltage	230/400 Vac,3L+PE
Voltage Range	260 Vac~485 Vac
Nominal Grid Frequency	50/60 Hz
Rated Power	20 kW
Max. Current	32 A
System Voltage Format	TT/TN-S/TN-C/TN-C-S
Power Factor	≥0.99
Total Harmonic Distortion(THDi)	<5%
Overvoltage Category	III
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	CCS2 Socket

Output Parameters				
Product Model		EPPS93-HV	EPPS93-MX	
Output Plug Model	GB/T EV DC	1	1	
	REMA DIN 320A	N/A		1
Output Parameter	Voltage Range	150 -1,000 Vdc	150 -1,000 Vdc	40 -120 Vdc
	Max. Current	200 A	200A	200A
Rated Power		60 kW	60 kW	
Cable Length		3 m	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 °C~ 50 °C
Thermal Management Mode	Liquid Cooling & Heating
Rated Cooling Input Power	3 kW
Ingress Protection	IPX4
Dimension(W*D*H)	1,600 mm*1,100 mm*1,580 mm
Weight	1,300 kg

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

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Application Highlights



Power Amplification



Range Extension For Industrial Vehicles



Mobile Power



PV Storage

Product Design Highlights

Robust Structure

The 8mm steel galvanized cold rolled coil chassis provides high-strength performance, capable of supporting the entire mass without deformation during transportation.



Highly Reliable Modules

2 high-energy-density LFP battery modules are included, equipped with an automatic-triggering aerosol fire extinguisher and MSD

Battery fully certified:

Cell: UL 1642/1973/9540A, IEC 62619, UN 38.3, GB/T 36276

Module: UN 38.3, UL 9540A, GB/T 36276

Rack: IEC 62619, IEC 63056, UL 1973/9540A, GB/T 36276



Integrated Sockets Interface

Multiple-interface design, integrating single-phase output sockets, three-phase input/output sockets, multiple photovoltaic input sockets, DC charger input sockets, and DC charger output plugs, ensuring comprehensive coverage for diverse electrical usage scenarios.



Human Machine Interface

Features integrated light indicators and a 7-inch display for visual monitoring of system status and information. Durable metal buttons provide convenient and easy operation.

