

# EPPS93

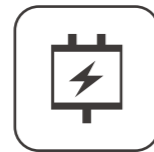


60kW 93kWh Industrial Liquid Cooling Energy Storage+Charger  
For HV&LV Forklift DC Fast Charging Under Grid Constraints



### Range Extension

Extend forklift working hours in facilities with limited power supply



### Power Amplifier

Amplify grid charging capability  
DC fast charging up to 60kW



### Profit Arbitrage

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



### Modular Design

Interchangeable charging modules  
Support HV or LV outputs



### High Performance

Liquid cooling system  
High quality LFP cells



### Easy Deployment

Highly integrated with compact design  
Highly mobile for optimized use

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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

Output Parameters					
Product Model		EPPS93-HV	EPPS93-LV	EPPS93-MX	
Output Plug Model	GB/T EV DC	1	N/A	1	
	REMA DIN 320A	N/A	3		1
Output Parameter	Voltage Range	150 -1,000 Vdc	60 -120 Vdc	150 -1,000 Vdc	60 -120 Vdc
	Max. Current	200 A	200 A	200A	200A
Rated Power		60 kW	20 kW*3	60 kW	
Cable Length		3 m	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~ 55 °C
Thermal Management Mode	Liquid Cooling
Rated Cooling Input Power	3 kW
Ingress Protection	IPX4
Dimension(W*D*H)	1,500 mm*1,000 mm*1,375 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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## Specialized Charging Module



When switched to low-voltage charging module, EPPS93 can DC fast charge up to three 80V forklifts at the same time (each at 20kW).



When switched to high-voltage charging module, EPPS93 can DC fast charge any big tonnage truck at up to 60kW power.

## Versatile Chassis Module



The system can be both lifted (pallet truck or forklift) and towed, making it highly mobile and easy to deploy.

## Product Design Highlights

### Easy Input Plug

32A 5-Pin 3-Phase industrial socket on board, easy and quick plug in.  
Up to 20 kW AC input, 260~485 Vac input voltage range, strong adaptability to grid.



### Highly Reliable Modules

2 high energy density LFP modules, equipped with 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



### Concealed Outlets Storage

The charger is protected by roller shutter during transportation and revealed only at work.



### Module Quick Change

Interchangeable high/low voltage charging modules. Simply lift, unplug, and replace.

