

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

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60kW 93kWh Liquid Cooling Mobile Power Unit

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°C
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 °C ~ 50 °C
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