

EPPS93-A10

EP ENERGY

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



Six-in-One

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



High Performance

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



Robustly Designed

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



Off-grid AC Output

- Energy independent for household
- Up to 30kW AC output for use
- Single and three phase sockets availability

AC Input Parameters	
Rated Voltage	230/400 Vac, 3W+N+PE
Voltage Range	260 Vac~485 Vac
Nominal Grid Frequency	50/60 Hz
Rated Power	40 kW Adjustable
Max. Current	60 A
Input Socket	CEE Socket 63A

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	
Max. Power	54 kW
MPPT Voltage Range	200 Vdc~ 850 Vdc
Max. PV Input Current	168 A
MPPT Trackers/ Strings	4/ 8
PV Input Socket	4 x MC4 External or 8 x MC4 Internal

DC Output Parameters		
Product Model	EPPS93-GB/T	EPPS93-CCS2
Max. Output Power	60 kW	60 kW
Output Voltage Range	200 Vdc~ 1000 Vdc	200 Vdc~ 1000 Vdc
Max. Current	200 A	200 A
Output Plug	GB/T Plug	CCS2 Plug

AC Output Parameters		
Product Model	EPPS93-GB/T	EPPS93-CCS2
Rated Voltage	230/400 Vac, 3W+N+PE, 50/60Hz	230/400 Vac, 3W+N+PE, 50/60Hz
Max. Output Power	30 kVA	30 kVA
Max. Output Current	43 A	43 A
Output Socket	CEE Socket 63A*1, Type I*2	CEE Socket 63A*1, Type E*2

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*1,650 mm
Weight	1,500 kg

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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.

