

Mobile Energy Storage System

HPESS 256120-DC



*(The picture is for reference only. The final design shall be subject to the structural design after order approval)

Integrated & Versatile

The robust & mobile all-in-one solution allows for quick deployment at site. The DC-integrated charger reduces energy conversion losses. The Power Unit can be easily handled, for example, by a crane, forklift, or wheel loader. Multiple AC outlets provide power to additional equipment.

Off-Grid Mode

Our mobile energy storage system supports off-grid operation, delivering stable and continuous power without relying on the utility grid. With built-in inverter and battery management functions, it can independently supply electricity to equipment at remote sites, emergency locations, or areas with unstable grid access.

PRODUCT INFO

Max energy	256 kWh
Power output(DC)	120 kW
Power input(AC)	80 kW
Dimension	~2780x1520x1450 mm
Weight	~3800 kg

DC Input

Our mobile energy storage system supports DC charging via CCS2, allowing rapid and efficient energy input from standard fast-charging infrastructure. This ensures high-power, low-loss charging and makes the system compatible with widely used European DC charging networks.

DC Charge Gun

Equipped with a 90 kW CCS2 DC fast-charging gun, enabling rapid and reliable EV charging directly from the battery unit. Delivering high-efficiency DC power for electric vehicles in construction sites, events, logistics yards, or remote locations without fixed grid access.

Combine Tech

The HPESS is designed for safety, environmental care, quality, trust, and support over time.



Technical Data

Electrical input/output		HPESS 256120
AC Input		
Nominal Power		80kW
Socket Type (MENNEKES)		125A 400 V (3-phase, 50 Hz), CEE connector
AC Output		
Nominal Power		90kW
Socket Type (MENNEKES)		125A CEE 3-ph, 63A CEE 3-ph,32A CEE 3-ph, 16A 1-ph Schuko
DC Input		
Type		CCS2
Nominal Power		120kW
Max Input Current		200A
DC Output		
Type		Phoenix-CCS2 Charging Gun(5 meters)
Nominal Power		120kW
Max Output Current		200A
Battery		
Nominal energy		256 kWh
Cell chemistry		LiFePO4
Expected lifetime		> 3 years (for up to two cycles per day)
Certification		UN 38.3, IEC 62619
Cooling		Air Cooling
General		
Configuration		All-in-one
BESS modes		Off-grid
Operating temperature range		-20°C to +50°C
Altitude		< 2000 m
Humidity		5% - 95%
Enclosure protection rating		IP 54
Compliance		CE, IEC 62619
Heating Film		Yes
Protection		Over-load, Over-heat, Short Circuit, Over-current, Over-voltage etc.
Fire System		Perfluorohexanone
Digital		
Connectivity		4G SIM card
Local		HMI
Remote monitoring		Web & App
Price Term		
FOB Price		--
Production Lead Time		58-70 Days after order approved
Payment Term		50% advanced payment upon order confirmation 50% balance before shipment after production is completed
Price validity		20 days from the date of quotation