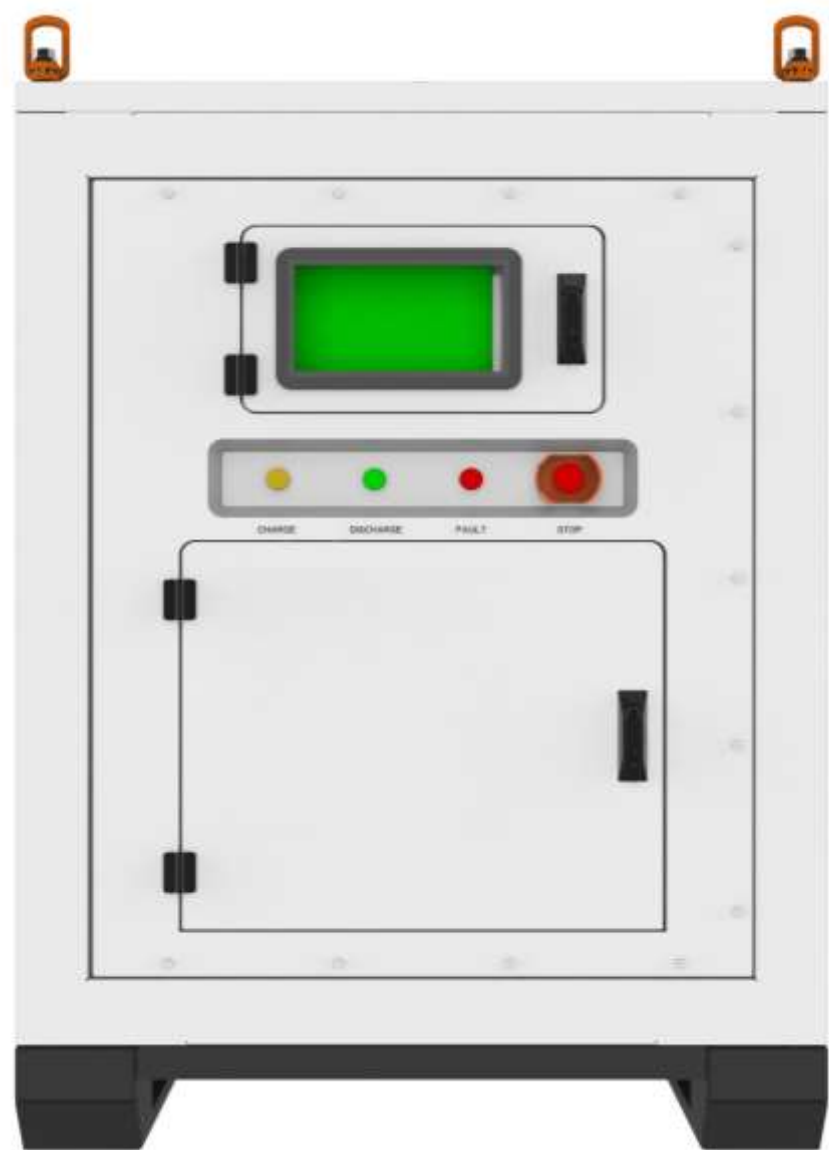


Mobile Energy Storage System

HPESS 6040



*(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 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.

Safety first - System design

Several safety solutions, normally found in larger battery energy storage systems, are included e.g. fire detection, dividing wall, thermal management with liquid cooling, fire hose connection, deflagration panels & remote operation and monitoring.

Secure & Accessible

Control and monitoring can be done locally, via an intuitive HMI, as well as remotely via app and web-portal interfaces. The latter also includes functionality for fleet owners to keep track of multiple Power Units. All within a certified cybersecure cloud solution.

Safety first - Battery packs

Safety first – Battery packs. The HPESS series is built on proven reliability, using battery packs that have been thoroughly validated through millions of operational hours in heavy-duty electric trucks and construction equipment.

PRODUCT INFO

Max energy	60 kWh
Power output	40 kW
Power input	20 kW
Dimension	1450x1000x1470 mm
Weight	~1150 kg

Combine Tech

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



Technical Data

Electrical input/output		HPESS 6040
AC Input		
Nominal Power		20kW
Socket Type (MENNEKES)		32A 400 V (3-phase, 50 Hz), CEE connector
AC Output		
Nominal Power		40kW
Socket Type (MENNEKES)		63A CEE 3-ph, 32A 3-ph CEE, 16 A 1-ph CEE 16 A 1-ph Schuko
Battery		
Nominal energy		60 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
Handling interfaces		Forklift pockets, Hoisting Rings
Safety solution		Build-in BMS, Fire detection
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 Shenzhen		--
Production Lead Time		50-60 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

