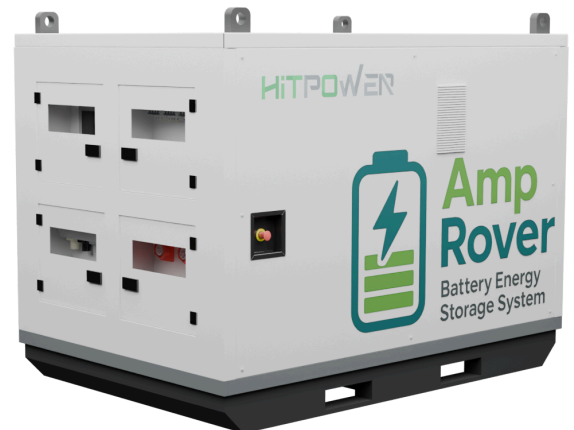


Mobile BESS 100kW-100kWh

APPLICATIONS

- **Remote sites:**
 - Provides power where there's no grid: rural areas, mining, farming, telecom, scientific camps. Can be recharged from renewables, diesel generators
- **Temporary events:**
 - Clean, quiet energy for concerts, festivals, film shoots, fairs, etc.
- **Construction sites:**
 - Power lighting, offices, tools; reduce generator diesel use; easy to relocate.
- **Permanent sites:**
 - Support EV charging where the grid is weak
 - Support CHP engines during load fluctuation
- **Works with diesel generators**
 - Reduces fuel use and emissions by running generators less
 - Enables hybrid operation.
 - Cuts maintenance and noise



WEIGHT AND DIMENSIONS*

Length:	2138mm
Width:	1438mm
Height:	1571mm
Weight:	2100 Kg
Lifting options:	Forklift pockets, corner lifting eyes
Transport:	Trailer

CONNECTIONS*

- Powerlock type connectors inlet, power terminals, 125A CEE inlet (three phase) and 32A CEE inlet (Single Phase)
- Powerlock type connectors Outlet, Power terminals, 125A CEE outlet (Three Phase), 32A CEE (Three Phase), 16A CEE Outlet (Single Phase)
- CANBUS 2.0B
- RJ45

OPERATING MODES

- Stand alone Off-grid operation with black start capability
- Grid connected operation with UPS functionality (uninterruptible power supply)
- Power boost of weak grid power connection
- Hybrid mode with automatic generator control
- Scalable parallel connection

COMMUNICATION AND CONTROL*

Control Panel:	10" Touch screen module
Energy Management System:	Intelligent on-board control
Temperature control:	Forced air cooling
Remote Generator Start:	Dry contact/ dynamic control*
Communications:	Modbus Tcp, Canbus 2.0B
Telemetry:	LTE Cat 1 IoT module
Navigation:	High-performance GNSS field positioning module: GPS, BDS, GLONASS, Galileo, and QZSS

PERFORMANCE

Nominal Power:	100KW
Frequency:	50 Hz
Nominal capacity:	100Kwh
Charging time:	50 minutes from 5% to 95% @100KW
Discharging time:	1 hour @100kW
Maximum Output current:	180A
Operating temperature range:	- 10 °C up to + 40 °C
Battery life cycle:	11000 cycles@ 100 DoD
Water/ingress protection rating:	IP54
Battery Chemistry:	NMC with Battery management system BMS
Battery c-rate charge/discharge:	2.5C/4C continuos, 6C 60 seconds

