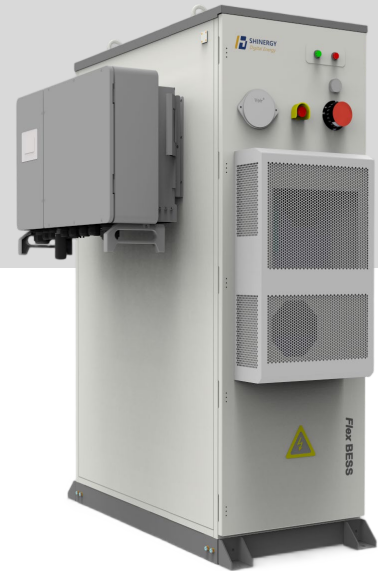


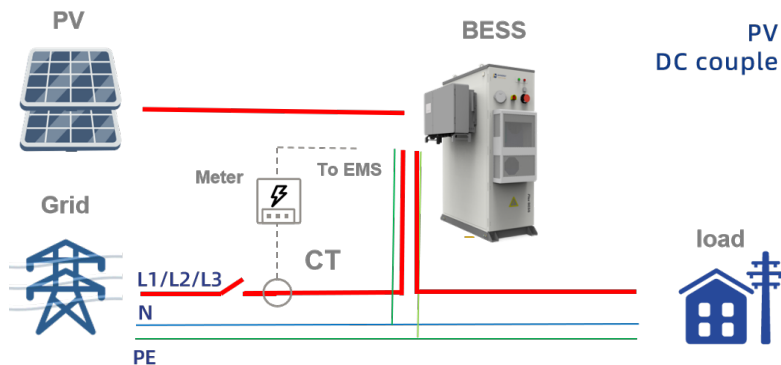
B107

Flex BESS M215 Battery Cabinet



■ Introduction

The B107 battery cabinet is specially designed for **outdoor applications**. It is integrated with outdoor PCS and used in **large families and small businesses**. The battery cabinet adopts 280Ah battery cells with a 1P120S configuration. A single cabinet with 5 Packs has a capacity of 107kWh. Featuring a highly integrated design and plug-and-play functionality, it reduces on-site construction work.



■ Application (with PCS)

- Back up power for frequent mains outages
- **PV Self-consumption**
- **Peak shaving**
- **Power expansion**
- **On-Off grid**

■ COST-EFFECTIVENESS

- Fully integrated for plug and play on site to reduce costs
- Fan cooling pack facilitates maintenance

■ SMART AND ROBUST

- Deep, thorough insights into battery, PCS and system data facilitate alarm management and maintenance with a innovative communication middleware
- Near-distal intelligent wireless operation and one-key remote upgrade, to provide boundless service

■ SAFE AND RELIABLE

- The **Solid-insulated pack** provides strong electrical safety
- PACK, RACK ,PCS (3th party) three-level over current protection
- Air condition cooling extends battery life
- **DC auxiliary powers** provide a black start

Technical data	FlexBESS M215-E- B107
DC side	
Cell type	LFP 3.2 V / 280 Ah
System battery configuration	1P120S
Nominal capacity	107.5kWh
Nominal voltage range	336V--384V-438V
AC side (on-grid) integrated with SINEXCEL ISUNA L50K-TH PCS)	
Nominal power	50 kW
Nominal voltage	400 V 3P+N+PE
Voltage range	340 V ~ 440 V
Nominal frequency	50 Hz / 60 Hz
Frequency range	45 Hz ~ 55 Hz / 55 Hz ~ 65 Hz
Max.THD of current	< 3 % (Nominal power)
Power factor range	1.0 leading ~ 1.0 lagging
AC side (off-grid) * integrated with SINEXCEL ISUNA L50K-TH PCS	
Nominal voltage	400 V
Nominal frequency	50 Hz / 60 Hz
Max.THD of voltage	< 3 % (Linear load)
Unbalance load capacity	100 %
PV side integrated with SINEXCEL ISUNA L50K-TH PCS	
Max Power	4X18.75kW
PV Max voltage	800V
start Voltage	180V
MPPT voltage range	140V-800V
Max current	4X60A
System parameter	
PCS efficiency	98%
System efficiency (charge or discharge)	92%
Dimensions (W * H * D)	650 mm * 1950 mm * 1486 mm
Weight	1130kg (1218kg with PCS)
Degree of protection	IP54
Auxiliary power supply	Internal DC
Anti-corrosion degree	C3 (Default)
Operation humidity range	0 % ~ 100 %
Operation temperature range	-30 °C ~ 50 °C (> 45 °C derating)
Max. operating altitude	3000 m
Temperature control method	Forced air cooling
Noise	≤ 70 dB (A) @ 1m
Fire suppression system	Smoke detector, Heat detector, Alarm sounder
Communication interface	Ethernet
Communication protocol	Modbus TCP
Standard	IEC 62619, IEC 62477, IEC 61000, UN 38.3

Note: The product pictures are for reference only. Configurations vary by region, and changes to the actual product will not be notified separately.