

Battery Unit

Model: ME-GSE-B5K



IP65



5.12kWh/256V



High Voltage



LiFePO4



Capacity up to 90kWh



0.13m³ Compact Size

CE IEC62619 UN38.3



Flexible Expansion

- Flexibly matched with battery units ranging from 5-15 kWh per BMS module
- Modular design, maximum battery capacity of 90kwh per system (by working with power guardian)



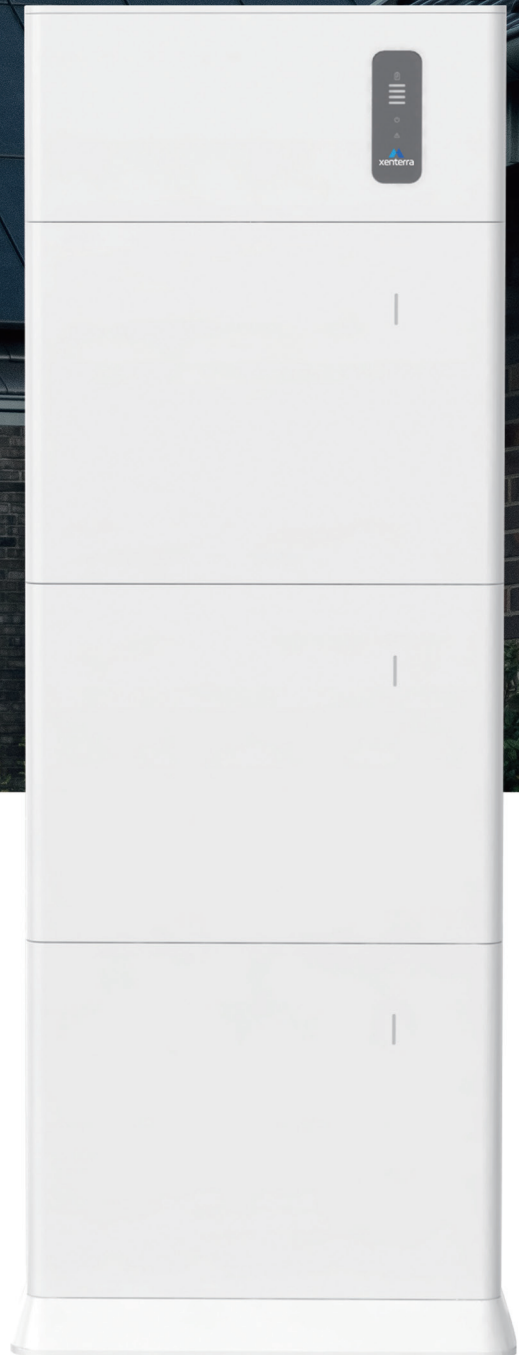
Effortless Installation

- Stackable wire-free battery design
- 0.13 m³ compact size for one person installation
- Ultra-fast configuration in under 10 minutes



Adaptive Design

- -20 ~ 55°C working temperature
- 100% of rated power at altitudes up to 4000m
- IP65 waterproof rating for both indoor and outdoor



Technical Data

Technical Data	5kWh	10kWh	15kWh
Performance			
BMS Module	ME-GSE-BMS15K		
Number of BMS module	1		
Nominal voltage (single-phase system)	450 V		
Operating voltage range (single-phase system)	450 ~ 550 V		
Nominal voltage (three-phase system)	720 V		
Operating voltage range (three-phase system)	720 ~880 V		
Batter module	ME-GSE-B5K		
Battery module capacity	20Ah		
Number of battery modules	1	2	3
Nominal voltage	256 V	512 V	768 V
Operating voltage range	240V~288V	480V~576V	720V~864V
Battery usable capacity	5kWh	10kWh	15kWh
Max. output power	5kW	10kw	15kw
Max. Charge Current	10A		
Max. Discharge Current	20A		
General Data			
Display	SOC status indicator, LED indicator		
Communication	RS485		
Weight (Floor stand toolkit included)	72	122	172
BMS module dimension (W × H × D mm)	588 × 195 × 184		
BMS module weight (kg)	22		
Battery module dimensions (W × H × D mm)	588 × 442 × 184		
Battery module weight (kg)	50		
Installation	Floor stand		
Operating Temperature Range (°C)	-20 ~ +55		
Max. Operating Altitude (m)	4000		
Environment	Outdoor / indoor		
Permissible Ambient Humidity	5 ~ 95%		
Cooling Method	Nature Convection		
IP rating	IP65		
Cell technology	Lithium-iron phosphate (LiFePO4)		
Compatible inverters	ME-GSE-S3.6K / ME-GSE-S4.6K / ME-GSE-S5K / ME-GSE-T10K / ME-GSE-T15K		
Certificates	CE , IEC62619 , UN38.3		