



Battery Unit

Model: ME-GSE-B5K



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 m² compact size for one person installtion
- Ultra-fast configuration in under 10 minutes



Adaptive Design




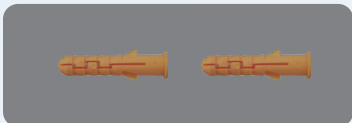



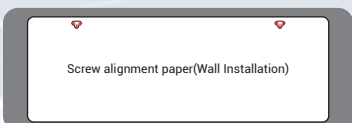
- -20 ~ 55°C working temperature
- 100% of rated power at altitudes up to 4000m
- IP65 waterproof rating for both indoor and outdoor






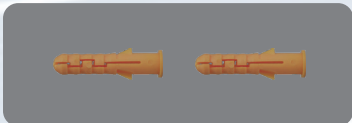

Technical Data

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	5kWh		
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		
Available for ordering	ME-GSE-B5K , ME-GSE-BMS15K		

Accessories list of BMS module

Name	QTY	picture	Remarks
Wall bracket	2		
M5 Screw	4		To fix bracket on BMS module
Wood Screw	2		To mount BMS on wall
Plastic expansion tube	2		
Battery Base	1		
Cable kit	2		DC cable to connect BMS with inverter
Communication cable	1		Ethernet cable to communicate with inverter
Screw alignment paper	1		To position drilling holes
Installation manual	1		

Accessories list of battery unit

Name	QTY	picture	Remarks
Wall bracket	2		To fix the battery to the wall
M5 Screw	4		To fix bracket on battery
Wood Screw	2		To mount battery on wall
Plastic expansion tube	2		
Screw alignment paper	1		To position drilling holes
Installation manual	1		