

• YOUR
• SMART
• ENERGY



SMILE-M5-B

RESIDENTIAL SERIES

POWER

5 kW

CAPACITY

- 5 kWh Battery Module
Expandable from 5.12 to 30 kWh
- 13.99 kWh Battery Module
Expandable from 13.99 to 55.99 kWh



KEY FEATURES

Quick Setup with Stackable Design
Fast-Suppression Aerosol Fire Defense
Expert in All-in-One System
24/7 Online Monitoring



SMILE-M5-B



Model	SMILE-M5-B
System Specifications	
Nominal Output Power	5000 W
Capacity Range	5 ~ 55.99 kWh
Battery Chemistry	LFP(LiFePO4)
Warranty	10 Years Warranty
Inverter Technical Specifications	
Battery Voltage Range	40 ~ 60 V
Max. Charge/Discharge current	100/100 A
Rated Output Power	5000 VA
Max. Input Power	5000 W
Nominal AC voltage	230 V
Dimensions (W*H*D)	620 * 260.3 * 423 mm
Weight	21.3 kg
Operation Temperature Range	-25℃ ~ 60℃
Ingress Protection	IP 65
Max. Operating Altitude	2000 m
Protection Class	I
Overvoltage Category	AC III
Topology	Transformerless
Anti-islanding Method	AFP
Certifications	IEC 61000, IEC 62109, AS 4777.2

Battery Technical Specifications		
Module Model	SMILE-M-BAT-5P	SMILE-M-BAT-13.9P
Energy Capacity	5.12 kWh	15.07 kWh
Usable Capacity	5 kWh	13.99 kWh
Nominal Voltage	51.2 V	48 V
Max. Charging/Discharging Current	100/100 A	105/105 A
Dimension (W*D*H) for one Battery	620 * 260 * 390 mm	620 * 240 * 710 mm
Weight	I 50 kg, II 100 kg, III 150 kg IV 200 kg, V 250 kg, VI 300 kg	I 115 kg, II 230 kg III 345 kg, IV 460 kg
Ingress Protection	IP 65	
Max. Operating Altitude	2000 m	
Warranty	10 Years Warranty	
Certifications	UN 38.3, IEC 62619, IEC 62040, IEC 61000	

* Max. charge/discharge current derating may occur with changes in temperature and SoC.

** Test Condition: Max. 0.5C charge & discharge at 25±2°C.

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