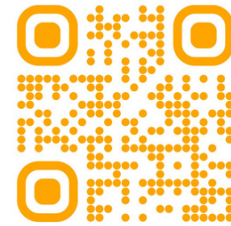


• YOUR
• SMART
• ENERGY



SMILE-G3-B5

RESIDENTIAL SERIES

POWER

5 kW

CAPACITY

10.1 kWh Battery Modular
Expandable To 60.5 kWh



AC-Coupling

Modular design

24/7 Monitoring

Grid-Forming Function

Faster Response for VPP Control

Easy installation and low maintenance

EXCLUSIVELY DISTRIBUTED BY ENERGY SPURT

SMILE-G3-B5



Model	SMILE-G3-B5
System Specification	
Nominal Output Power	5000 W
Capacity Range	10.1 ~ 60.5 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
System Dimension (W x D x H)	610 x 250 x 1161 mm (with Bracket)
System Weight	109.5 kg
Warranty	5 Year Product Warranty, 10 Year Battery Performance Warranty

Inverter Technical Specification	
Model	SMILE-G3-B5-INV
Coupling	AC
Max. Charging/Discharging Current	60 A
Max. Charging/Discharging Power	5000 W
Rated Frequency	50 / 60 Hz
Rated Voltage	230 V
Rated Output Apparent Power (Grid Port)	5000 VA
Rated Output Apparent Power (Backup Port)	5000 VA
Max. AC input Power (Grid Port)	10000 W
Rated Output Current (Grid Port)	21.7 A
Max. AC Output Current (Grid Port)	21.7 A
Rated Output Current (Backup Port)	21.7 A
Max. AC Output Current (Backup Port)	21.7 A
Max Inverter Efficiency	97.3%
Backup	UPS
Communication	Ethernet / WiFi
Humidity	0~90% (No Condensing)
Dimension (W x D x H)	610 x 212 x 366 mm
Weight	19.5 kg
Safety	IEC 62109, IEC 62040
EMC	EN61000-6-1/-2 /-3/-4
Grid Regulation	AS4777.2

Battery Module Specification	
Module Mode	SMILE-G3-BAT-10.1P
Module Capacity	10.1 kWh
Usable Capacity	9.6 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	96 V
Battery Voltage Range	91.5 V ~ 106.5 V
Max. Charging/Discharging Current	60 A
Operating Temperature Range	-10°C ~ 50°C*
Cycle Life	8000**
Battery Modules Connection	1 ~ 6 in Parallel

* When the ambient temperature is too low or too high, the performance of battery may be limited.
 ** Under specific test conditions.



Alpha ESS Co., Ltd. Alpha ESS Suzhou Co., Ltd. Alpha ESS Europe GmbH Alpha ESS Australia Pty. Ltd.

+86 513 8060 6891 +86 512 6828 7609 +49 610 3659 1601 +61 02 9000 7676

info@alpha-ess.com info@alpha-ess.com europa@alpha-ess.de Australia@alpha-ess.com

www.alphaess.com www.alphaess.com www.alphaess.de www.alphaess.com

Hua Road 888, Nantong High-Tech Building 100A, Canal Town Industrial Paul-Ehrlich-Strasse 1a Langen, 8/15-21 Gibbes Street, Chatswood,

Industrial Development Zone, Nantong, Park, 99 Taihu E Rd, Wuzhong District, Hessen D-63225 Germany NSW 2067 Australia

Jiangsu Province, China Suzhou, Jiangsu Province, China

Alpha ESS Italy S.r.l. Alpha ESS UK Ltd. Alpha ESS International Pte. Ltd. Alpha ESS USA, Inc. Alpha ESS Korea Co., Ltd.

+39 339 462 4288 +44 145 354 5222 +65 6513 1125 / +65 6513 1126 +1 408 368 7828 info@alpha-ess.com

info@alpha-ess.it info@alpha-ess.com Singapore@alpha-ess.com usa@alpha-ess.com 2F, 19-4, Nohyeong 11-gil,

www.alphaess.com Drive house, Long street, 2 Corporation Road #01-06A Unit 5 2180 S Ivanhoe St, Jeju-si Jeju-do, Republic of Korea

Don Minzoni, 17, Calenzano Dursley, gl11 4hh UK Corporation Place #18494 Singapore Denver, CO 80222 USA

enze 50041 Italy