

• YOUR
• SMART
• ENERGY



SMILE-G3-Backup Gateway-S

RESIDENTIAL SERIES

Maximum Input Power

23 kW

Maximum Input Current

100 A



KEY FEATURES

100 A Maximum Input Current, Whole-home Backup Solution

Seamless Switchover

Built-in Bypass Circuit for Stability of System

24 / 7 Online Monitoring

Up to 2 * Inverter Input, Large System Capacity

IP65 Enclosure, Outdoor Installation

10-Year Warranty for Long-term Reliability

AC Surge Protective Device (SPD) Integrated

SMILE-G3-Backup Gateway-S

Model	SMILE-G3-Backup Gateway-S
Grid Connection	
Grid Connection Type	L / N / PE; Single Phase
Nominal AC Voltage	220 / 230 V
Maximum AC Current	100 A
Maximum AC Power	23 kW
Nominal AC Frequency	50 / 60 Hz
Switching Time	< 20ms*
PV Inverter Connection	
Nominal Voltage	220 / 230 V
Maximum Current	32 A
Maximum Power	7.3 kW
Nominal Frequency	50 / 60 Hz
Backup Connection	
Nominal AC Voltage	220 / 230 V
Maximum AC Current	100 A
Maximum AC Power	23 kW
Nominal AC Frequency	50 / 60 Hz
Hybrid Inverter Connection	
Nominal AC Voltage	220 / 230 V
Maximum AC Current	63 A
Maximum AC Power	14.5 kW
General Parameters	
Dimensions (W x D x H)	456 x 172 x 600 mm
Weight	18.8 kg
Communication	RS 485
Cooling	Natural Cooling
Operating Temperature Range	-10 ~ 50°C
Ingress Protection	IP65
Installation	Wall-mounted
Relative Humidity Range	15 ~ 85%
Warranty	10-Year Limited Warranty

*The On / Off grid switching time depends on the inverter installed with

Alpha ESS Co., Ltd.

☎ +86 513 8060 6891
✉ info@alpha-ess.com
🌐 www.alphaess.com
📍 No. 1086, Bihua Road,
Nantong Hi-Tech Zone,
Jiangsu Province, China

Alpha ESS Italy S.r.l.

☎ +39 339 462 4288
✉ info@alphaess.it
🌐 www.alphaess.com
📍 Via Del Molinuzzo 83,
59100 Prato (PO), Italy

Alpha ESS Europe GmbH

☎ +49 610 3459 1601
✉ deutschland@alpha-ess.de
🌐 www.alphaess.de
📍 Horizon Tower T7.0G
Alfred-Herrhausen-Allee 3-5
65760 Eschborn, Germany

Alpha ESS UK Ltd.

☎ +44 0330 043 2610
✉ info@alpha-ess.co.uk
🌐 www.alpha-ess.co.uk
📍 Drake house, Long street, Dursley,
GL11 4HH United Kingdom

Alpha ESS Australia Pty. Ltd.

☎ +61 02 9000 7676
✉ techsupport@alphaess.au
🌐 www.alphaess.com
📍 8/15-21 Gibbes Street,
Chatswood,
NSW 2067 Australia

Alpha ESS USA, Inc.

☎ +1 408 368 7828
✉ usa@alpha-ess.com
📍 Unit 5 2180 S Ivanhoe St,
Denver, CO 80222 USA

Alpha ESS International Pte. Ltd.

☎ +65 6513 1125 / +65 6513 1126
✉ Singapore@alpha-ess.com
📍 2 Corporation Road #01-06A
Corporation Place 618494
Singapore

Alpha ESS Korea Co., Ltd.

✉ info@alpha-ess.com
📍 2F, 19-4, Nohyeong 11-gil,
Jeju-si, Jeju-do, Republic
of Korea

Alpha ESS Benelux B.V.

✉ contact@alphaess.nl
🌐 www.alphaess.nl
📍 High Tech Campus 41, 5656AE
Eindhoven, the Netherlands

Alpha ESS South Africa (Pty.) Ltd.

✉ measervice@alpha-ess.com
📍 La Rocca Office Park, Block
B1 321 Main Road, Bryanston,
Johannesburg, 2191