

• YOUR  
• SMART  
• ENERGY



# SMILE-G3-Backup Gateway

## RESIDENTIAL SERIES

**Maximum Input Power**

23 kW

**Maximum Input Current**

100 A



**100A 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**



# SMILE-G3-Backup Gateway

Model	SMILE-G3-Backup Gateway
<b>Grid Connection</b>	
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*
<b>PV Inverter Connection</b>	
Nominal Voltage	220/230 V
Maximum Current	32 A
Maximum Power	7.3 kW
Nominal Frequency	50/60 Hz
<b>Backup Connection</b>	
Nominal AC Voltage	220/230 V
Maximum AC Current	100 A
Maximum AC Power	23 kW
Nominal AC Frequency	50/60 Hz
<b>Hybrid Inverter Connection</b>	
Nominal AC Voltage	220/230 V
Maximum AC Current	63 A
Maximum AC Power	14.5 kW
<b>General Parameters</b>	
Dimensions (W*D*H)	456*172*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%

\*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 17.0G  
 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