

● YOUR
● SMART
● ENERGY



BATTERY **SMILE-G3-BAT-10.1P**

RESIDENTIAL SERIES

CAPACITY
10.1 kWh Modular



Modular
Plug & Play
Safe
Long Lifespan



BATTERY

SMILE-G3-BAT-10.1P



Model	SMILE-G3-BAT-10.1P
Physical	
Battery Type	LFP (LiFePO4)
Weight	90 kg
Dimension (W x D x H)	610 x 212 x 793 mm
IP Protection	IP65 (Outdoor)
Warranty	10 Year Battery Performance Warranty
Electrical	
Energy Capacity	10.1 kWh
Usable Capacity	9.6 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	96 V
Operating Voltage Range	90 ~ 108 V
Cycle Life	10 000*
Operation	
Rated. Charging/DisCharging Current	52.5 A
Max. Charging/DisCharging Current	60 A
Operating Temperature Range	-10 °C ~ 50 °C**
Relative Humidity	0 ~ 95% (No Condensation)
BMS	
Modules Connection	1 ~ 6 in Parallel
Capacity	10.1 / 20.2 / 30.2 / 40.3 / 50.4 / 60.5 kWh
Usable Capacity	9.6 / 19.2 / 28.7 / 38.3 / 47.9 / 57.5 kWh
Monitoring Parameters	System Voltage, Current, Cell Voltage, Cell Temperature, PCBA Temperature
Communication	CAN
Certification	
Transportation	UN38.3
Safety	IEC 62619 , IEC 63056, IEC 62040

*Under specific test conditions.

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



Alpha ESS Co., Ltd.

+86 513 8060 6891
 info@alpha-ess.com
 www.alphaess.com
 Jiuhua Road 888, Nantong High-Tech Industrial Development Zone, Nantong, Jiangsu Province, China

Alpha ESS Suzhou Co., Ltd.

+86 512 6828 7609
 info@alpha-ess.com
 www.alphaess.com
 Building 10-A, Canal Town Industrial Park, 99 Taihu E Rd, Wuzhong District, Suzhou, Jiangsu Province, China

Alpha ESS Europe GmbH

+49 610 3459 1601
 europe@alpha-ess.de
 www.alphaess.de
 Paul-Ehrlich-Straße 1a, Langen, Hessen D-63225 Germany

Alpha ESS Australia Pty. Ltd.

+61 02 9000 7676
 Australia@alpha-ess.com
 www.alphaess.com
 8/15-21 Gibbs Street, Chatswood, NSW 2067 Australia

Alpha ESS Italy S.r.l.

+39 339 462 4288
 info@alpha-ess.it
 www.alphaess.com
 Via Don Minzoni, 17, Calenzano Firenze 50041 Italy

Alpha ESS UK Ltd.

+44 0330 043 2610
 info@alpha-ess.com
 Drake house, Long street, Dursley, gl11 4hh UK

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 USA, Inc.

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

Alpha ESS Korea Co., Ltd.

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