

• YOUR
• SMART
• ENERGY



BATTERY **SMILE-G3-BAT-4.8S**

RESIDENTIAL SERIES

CAPACITY

4.8 kWh Modular



KEY FEATURES

Redundancy Design

High Efficiency and Safe

Simple Installation and Maintenance

Bypass Function

Self-Heating Module Integrated

BATTERY SMILE-G3-BAT-4.8S



Model	SMILE-G3-BAT-4.8S
Physical Parameters	
Battery Type	LFP (LiFePO ₄)
Installation Method	Wall Mounted / Base Installation (Optional)
Dimension (W x D x H) ± 2	610 x 212.5 x 435 mm
Weight ± 1	53 kg
IP Protection	IP65
Warranty	10 Year Battery Performance Warranty
Electrical Parameters	
Rated Capacity	4.8 kWh
Depth of Discharge (DoD)	95 %
Nominal Voltage	96 V
Operating Voltage Range	90 ~ 105.6 V
Operating Parameters	
Max. Charging Current	50 A
Max. Discharging Current	50 A
Operating Temperature Range	-20°C ~ 50°C (Charge / Discharge)
Safety	Aerosol, explosion-proof valve
Relative Humidity	0 ~ 95% (No Condensation)
BMS	
Module Compatibility	G3-S3.6/S5/B5(1~4), G3-T4/5/5/6/8/10(1~6), G3-T12/1/15/20(2~6)
Rated Capacity (1~6 in series)	4.56 / 9.12 / 13.68 / 18.24 / 22.80 / 27.36 kWh
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Communication	CAN
Certification	
Transportation	UN38.3
Compliance	IEC 62619, IEC 62040, IEC 61000, UL9540A



Alpha ESS Europe GmbH
 ✉ deutschland@alpha-ess.de
 ☎ +49 6196 7863485
 🌐 www.alphaess.de
 🏠 Alfred-Herrhausen-Allee 3-5
 65760 Eschborn, Germany

Alpha ESS UK Ltd.
 ✉ info@alpha-ess.co.uk
 ☎ +44 330 043 2610
 🌐 www.alpha-ess.co.uk
 🏠 Drake house, Long street, Dursley,
 GL11 4HH United kindom

Alpha ESS Italy S.r.l.
 ✉ info@alphaess.it
 ☎ +39 3394624288
 🌐 www.alphaess.it
 🏠 Via Del Molinuzzo 83,
 59100 Prato (PO), Italy

Alpha ESS Benelux B.V.
 ✉ contact@alphaess.nl
 🌐 www.alphaess.nl
 🏠 Room 113 F1, High Tech Campus 41, 5656
 AE Eindhoven, The Netherlands