


BATTERY SMILE5-BAT



Model	SMILE5-BAT
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	 EVE ENERGY VERY ENDURE
System Weight	73 kg
Dimension (W x D x H)	610 x 207 x 629 mm
IP Protection	IP21 (Indoor) / IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	5.7 kWh
Usable Capacity	5.5 kWh
Depth of Discharge (DoD)	96%
Nominal Voltage	51.2 V
Operating Voltage Range	48 ~ 57.6 V
Internal Resistance	≤ 20 mΩ
Cycle Life	10 000*
Operation	
Max. Charging Current	56 A
Max. Discharging Current	56 A
Operating Temperature Range	-10 °C ~ 50 °C**
Relative Humidity	15% ~ 85%
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	5.7 / 11.5 / 17.2 / 22.9 / 28.7 / 34.4 kWh
Usable Capacity	5.5 / 11.0 / 16.5 / 22.0 / 27.5 / 33.0 kWh
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS-485 compatible
Certification	
Transportation	UN38.3
Safety	IEC 62619 (Cell), IEC 62619 (Pack)

*Under specific test conditions

**When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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.

☎ +61 402 500 520
✉ Australia@alpha-ess.com
🌐 www.alphaess.com
📍 8/15-21 Gibbes 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.

☎ +44 145 354 5222
✉ 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