


BATTERY SMILE-BAT-10.1P



Model	SMILE-BAT-10.1P
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	
System Weight	95 kg
Dimension (W x D x H)	610 x 236 x 678 mm
IP Protection	IP21 (Indoor) / IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	10.1 kWh
Usable Capacity	9.7 kWh
Depth of Discharge (DoD)	96%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 54 V
Internal Resistance	≤ 15 mΩ
Cycle Life	8000*
Operation	
Max. Charging Current	100 A
Max. Discharging Current	100 A
Operating Temperature Range	-10 °C ~ 50 °C**
Relative Humidity	0 ~ 95%
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	10.1 / 20.2 / 30.2 / 40.3 / 50.4 / 60.5 kWh
Usable Capacity	9.7 / 19.4 / 29.0 / 38.7 / 48.4 / 58.1 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 ambient temperature is too low or too high, the performance of battery may 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 City, 226300

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 215000

Alpha ESS Europe GmbH

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

Alpha ESS Australia Pty. Ltd.

+61 402 500 520
 info@alpha-ess.com
 www.alphaess.com

Alpha ESS Italy S.r.l.

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

Alpha ESS UK Ltd.

+44 145 354 5222
 info@alpha-ess.com
 Drake House, Long Street, Dursley, gl11 4hh

Alpha ESS International Pte. Ltd.

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

Alpha ESS USA, Inc.

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

Alpha ESS Korea Co., Ltd.

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