

BATTERY SMILE-BAT-8.2PH



Model	SMILE-BAT-8.2PH
Physical	
Battery Type	LFP (LiFePO4)
Weight	88 kg
Dimension (W x D x H)	580 x 230 x 820 mm
IP Protection	IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	8.2 kWh
Usable Capacity	7.8 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	256 V
Operating Voltage Range	240 ~ 288 V
Cycle Life	10 000*
Operation	
Max. Charging Current	38.4 A
Max. Discharging Current	38.4 A
Operating Temperature Range	-10 °C ~ 50 °C**
Humidity	15 ~ 85%
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	8.2 / 16.4 / 24.6 / 32.8 / 41.0 / 49.2 kWh
Usable Capacity	7.8 / 15.6 / 23.3 / 31.1 / 38.9 / 46.7 kWh
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS-485 compatible
Certification	
Transportation	UN38.3
Safety	UL1973

*Under specific test conditions

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



Headquarter: Alpha ESS Co., Ltd.

☎ +86 513 8060 6891
✉ info@alpha-ess.com
🌐 www.alpha-ess.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.alpha-ess.com
📍 Building 10-A, Canal Town Industrial Park, 99 Taihu E Rd, Wuzhong District, Suzhou 215000

Australia: Alpha ESS Australia Pty. Ltd.

☎ +61 402 500 520 (Sales)
+61 1300 968 933 (Technical Support)
✉ australia@alpha-ess.com
🌐 www.alpha-ess.com.au
📍 Unit 1, 2 Ralph Street Alexandria NSW 2015

Germany: Alpha ESS Europe GmbH

☎ +49 6103 4591 601
✉ europe@alpha-ess.de
🌐 www.alpha-ess.de
📍 Paul-Ehrlich-Straße 1a, D-63225 Langen, Hessen

Italy: Alpha ESS Italy S.r.l.

☎ +39 599 239 50
✉ info@alpha-ess.it
🌐 www.alpha-ess.it
📍 Via Loda, 17-41013 Castelfranco Emilia (MO)

Korea: Alpha ESS Korea Co., Ltd.

☎ +82 64 721 2004
✉ korea@alpha-ess.com
📍 2F, 19-4, Nohyeong 11-gil, Jeju-si, Jeju-do, Republic of Korea

UK: Alpha ESS UK Ltd.

✉ uk@alpha-ess.com
📍 Drake House, Long Street, Dursley, gl11 4hh