

BATTERY SMILE-BAT-5PH



Model	SMILE-BAT-5PH
Physical	
Battery Type	LFP (LiFePO4)
Weight	50 kg
Dimension (W x D x H)	580 x 226 x 530 mm
IP Protection	IP21 (Indoor) / IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Energy Capacity	5.0 kWh
Usable Capacity	4.8 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	153.6 V
Operating Voltage Range	144 ~ 172.8 V
Cycle Life	10 000*
Operation	
Max. Charging Current	32 A
Max. Discharging Current	32 A
Operating Temperature Range	-10 °C ~ 50 °C**
Humidity	0 ~ 95%
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	5.0 / 10.0 / 15.0 / 20.0 / 25.0 / 30.0 kWh
Usable Capacity	4.8 / 9.5 / 14.3 / 19.0 / 23.8 / 28.5 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, IEC 62040 / IEC 62477(Pack)

*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