

BATERIOVÝ SYSTÉM



BATERIOVÝ SYSTÉM **SMILE-BAT-8.2P**

TYP SYSTÉMU
VYSOKONAPĚŤOVÝ

BMS
ANO

POČET NAB. CYKLŮ
10 000 - 12 000
(S 95 % HLOUBKOU VYBITÍ)

KAPACITA
8,2 - 49,5 kWh

ZÁRUKA NA BATERIE
10 LET NA KAPACITU 80 %

YOUR
SMART
ENERGY



BATTERY SMILE-BAT-8.2PH

RESIDENTIAL SERIES

CAPACITY ▶

8.2 kWh modular



- Modular
- Plug & play
- Safe
- Long lifespan



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