

SolisStorage-Alpha-SMILE-BAT-13.3P

- Save time and effort, plug and play
- Remote monitoring and O&M support
- Automatic identification of battery type
- Safe, economical and easy to maintain
- One-stop after-sales service
- Flexible expansion



DATASHEET

SolisStorage-Alpha-SMILE-BAT-13.3P

Models	SolisStorage-Alpha-SMILE-BAT-13.3P
Performance parameter	
Battery Type	EVE-LiFePO4
Nominal Battery Energy	13.3 kWh
Operating Voltage	45~54 Vdc
Nominal Voltage	48 V
Nominal Capacity	280 Ah
Rated Power	5 kW
Peak Power	5 kW
Recomended Charge & Discharge C Rate	0.35 C
Recommended Charge/Discharge Current	100 A
Maximum sustainable charge and discharge ratio	0.35 C
Maximum sustainable charge/discharge current	100 A
Depth of Discharge (DoD)	100 %
General Data	
Net Weight	121 kg
Dimensions (W × H × D)	610 x 816 x 236 mm
Cycle Lifem	8000 Cycles ^② / 10 Years
Charging / Discharging Temp. Range	Charging: 0 ~ 50°C ^③ Discharging: -10~50°C ^③
Communication	CAN and RS-485 compatible
Protection Level	IP65
Expansion	Up to 6 units in parallel
Installation mode	Floor-mounted installation
Certification & Safety Standard	UN38.3 / IEC62619

① The data in this material is provided by the battery manufacturer, and is recommended for use with the Solis Hybrid inverter.

② Under an ambient temperature of 25°C, a single battery cell was tested at a charge-discharge rate of 0.5C. After 8,000 cycles, the capacity retention rate remained above 70%.

③ When the ambient temperature during charging exceeds 45°C, or the ambient temperature during discharging is below 0°C or above 40°C, the maximum charge/discharge current may be reduced to ensure battery performance.