

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 it is recommended to be used 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 remains 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.



SolisStorage

Disclaimer:

The compatibility of specific battery models with Solis energy storage inverters varies across different markets. To confirm whether a battery model is compatible with Solis inverters in your market, please reach out to the Solis product and technical team in your specific country or market. Installing Solis inverters with non-compatible battery systems may result in serious damage. Solis is not responsible for any damages and/or losses incurred due to the installation or operation of Solis inverters with non-compatible battery models.